

REPORT OF THE
DEPARTMENT OF MINES
OF
PENNSYLVANIA
—
PART I—ANTHRACITE
1921 - 1922

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Commonwealth of Pennsylvania

REPORT

OF THE

Department of Mines

OF PENNSYLVANIA



PART I--Anthracite

1921-1922

LETTER OF TRANSMITTAL

Department of Mines,

May 29, 1925

To His Excellency, Gifford Pinchot, Governor of Pennsylvania.

Sir: In compliance with the Acts of April 14, 1903 and April 18, 1919, I beg to submit herewith the reports of the Department of Mines for the years ending December 31, 1921 and 1922. Part I covers in detail the operations in the twenty-five Anthracite Districts, and Part II the operations in the thirty Bituminous Districts, as returned by the Inspectors.

Respectively submitted,

JOSEPH J. WALSH,

Secretary of Mines.

REPORT
of the
DEPARTMENT OF MINES

INTRODUCTION

The years covered by this report, 1921-1922, were marked by extreme dullness of trade in 1921 and disastrous strikes in 1922, lasting practically from April 1 to September 11. The production during the latter year was reduced to the lowest figures since 1902.

The total amount of coal produced in Pennsylvania in 1921 was 204,805,776 net tons; in 1922, 162,220,247 net tons. In the anthracite region the production in 1921 was 90,358,642 tons; in 1922, 53,910,201 tons. In the bituminous region the production in 1921 was 114,447,134 tons; in 1922, 108,310,046 tons.

The number of employes in and about the mines was 362,345 in 1921; 354,510 in 1922. In the anthracite region the number was 161,926 in 1921; 159,880 in 1922. In the bituminous region the number was 200,419 in 1921; 194,630 in 1922.

The production of coke in the bituminous region in 1921 was 4,876,289 net tons; in 1922, 7,692,899 net tons.

I. ACCIDENTS

A—Causes of Fatal Accidents, by Counties, 1921

Causes	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuylkill	Susquehanna	Wayne	Total
INSIDE										
Falls of coal at face, -----				1	15	3	10			29
Falls of coal at pillar work, -----	1			4	7	2	4			18
Falls of coal on gangway, -----					2	1	1			4
Falls of slate at face, -----					1		2			3
Falls of roof at face, -----	1			29	38	5	19	1		93
Falls of roof at pillar work, -----		1		20	18	2	4		2	47
Falls of roof on gangway, tunnel, -----	1			2	12	1	3			19
Falls of roof in chamber, -----				2	3					5
Falls of roof in heading, airway, crosscut, -----					1	1		1		3
Falls of roof in chute, -----	1				2					3
Falls of roof on slope, plane, -----		1	1	8	23	2	10			46
Cars on gangway, -----	1	1	1		4		4			8
Cars on slope, plane, -----					3	6				9
Cars at foot of shaft, slope, -----					3	2		1		6
Cars in chamber, -----					3	2				4
Explosions of gas at face, -----	1			1	12	3	4			21
Explosions of gas at pillar work, -----							4			4
Explosions of gas on gangway, -----						1		7		8
Explosions of gas in chamber, -----				2	3	3	4			12
Explosions of gas in heading, airway chute, -----					1		1	7		9
Explosions of gas in old workings, -----					2	6				8
Suffocated by gas at face, -----					1			3		4
Suffocated by gas at pillar work, -----						1				1
Suffocated by gas in chamber, heading, chute, -----				2				1		3
Explosions of powder and dynamite, -----							3	3		6
Blasts, premature or otherwise, -----	2			21	21	6	13			63
Falling down shaft, -----				4	3					7
Objects falling down shaft, -----				1	2					3
Struck by descending cage, -----					1					1
Electricity on gangway, -----					1			3		4
Animals, -----							1	2		3
Fall of person, -----	1					2	6	4		13
Hand tools, -----	1									1
Handling coal—infection, -----					1					1
Heavy lifting—strained, -----					1	2				3
Machinery, -----					1					2
Rush of coal or rock, -----			2			1	1	7		11
Rush of water, -----						2				2
Smothered by slush, -----							2			2
Struck by rail-unloading, -----						1				1
Struck by loose rock or coal, -----					1	3	1	2		7
Struck by rope, -----					1	1				2
Struck by timber (dislodged or being handled), -----						1		3		4
Total inside, -----	7	5	7	111	198	44	127	1	2	502
OUTSIDE										
Cars, -----	2				3	3		6		14
Railroad cars, -----					1	2				3
Machinery, -----	1				3	3	2	4		13
Electricity, -----					1		1	2		4
Fall of person, -----					1	2				3
Flying objects, -----	1									1
Object falling from car, -----						1				1
Chute breaking down, -----								1		1
Handling material—infection, -----					1			1		2
Overcome by heat—cleaning boiler, -----					1					1
Squeezed between loft and bale of hay, -----						1				1
Total outside, -----	4				11	12	3	14		44
Grand total, -----	11	5	7	122	210	47	141	1	2	546
Per cent, -----	2.01	.91	1.28	22.35	38.46	8.61	25.88	.18	.37	100.00

A—Causes of Fatal Accidents, by Counties, 1922

Causes	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuylkill	Sullivan	Susquehanna	Total
INSIDE										
Falls of coal at face, -----	1			1	5	3	4			14
Falls of coal at pillar work, -----				1	5					8
Falls of coal in chamber, -----					2					2
Falls of slate at face, -----				1	1	2				9
Falls of slate at pillar work, -----					1		2			3
Falls of slate on slope, -----							1			1
Falls of roof at face, -----					16	16	1	3		36
Falls of roof at pillar work, -----					9	13		1	1	25
Falls of roof on gangway, -----	1	1		3	5		2			12
Falls of roof in chamber, -----				1	2					3
Falls of roof on slope, -----				2	1					3
Falls of roof in airway, -----					1					1
Falls of roof in old workings, -----					4					4
Cars on gangway or tunnel, -----					3	14	4	9		30
Cars on slope, plane, -----					1	8	1	2		13
Cars at face, chamber, -----					3	3				6
Explosions of gas at face, -----						5		2		7
Explosions of gas in chamber, -----	1					2		1		4
Explosions of gas in tunnel, -----						4				4
Explosions of gas in chute, plane, old workings, -----						1	1			3
Suffocated by gas at face, -----						1		1		2
Explosion of dynamite in pillar work, -----										1
Blasts—premature or otherwise, -----					21	9	3	1	2	36
Falling down shaft, -----					1	2				3
Object falling down shaft, -----					1					1
Struck by cage, -----					1					1
Electricity on gangway, -----					1	1		1		3
Animals, -----						3				3
Fall of person, -----					1	1	2			4
Heart failure—trying to overtake mule, -----						1				1
Rush of coal, -----			1					2		3
Striking against roof or timber-riding, -----								2		2
Struck by loose material, -----					1			4		5
Struck by flying coal—drilling, -----								1		1
Struck by door of mine car, -----						1				1
Struck by prop (dislodged or being handled), -----					1	1	1			3
Struck by pulley, -----					1					1
Struck by timber that rolled off car, -----						1				1
Total inside, -----	3	1	1	75	110	18	47	3	2	260
OUTSIDE										
Cars, -----	1					4	1	7		13
Railroad cars, -----	1					2		1		4
Machinery, -----				1	2		2	1		6
Electricity, -----								1		1
Steam shovel, -----								1		1
Animals, -----				1						1
Burned by acetylene torch, -----				1						1
Burned by steam from hot ashes -----								1		1
Explosion of air receiver—testing drill, -----								1		1
Explosion of steam turbine cylinder -----						1				1
Fell off railroad car, -----						1				1
Run over by auto truck, -----						1				1
Rush of rock or culm, -----	1							1		2
Struck by loose material, -----					1		1	2		4
Struck by rope, -----						1				1
Struck by timber thrown by explosion of dynamite, -----								1		1
Total outside, -----	3				4	12	2	18	1	40
Grand total, -----	6	1	1	79	122	20	65	4	2	300
Per cent., -----	2.00	.33	.33	26.33	40.67	6.67	21.67	1.33	.67	100.00

B—Accidents in Which Five or More Persons Were Killed, 1847-1922

Date	Name of colliery	Location of colliery	Cause of accident	Killed
1847 Feb.	Spencer,	Pottsville,	Explosion of gas,	7
1849 Sept. 6,	Avondale,	Plymouth,	Mine fire,	179
1850 March 22,	Potts,	Locust Dale,	Boiler explosion,	5
1850 Aug. 10,	Heins and Glassmire,	Middleport,	Cage falling down shaft,	9
1850 Aug. 29,	Preston No. 3,	Girardville,	Car falling down slope,	7
1851 May 27,	West Pittston,	West Pittston,	Suffocation by smoke from burning breaker,	20
1851 Oct. 2,	Otto Red Ash,	Branch Dale,	Explosion of gas,	5
1853 June 10,	Henry Clay,	Shamokin,	Explosion of gas,	10
1857 May 9,	Potts,	Wadesville,	Explosion of gas,	7
1858 Jan. 15,	Audenried,	Locust Dale,	Explosion of gas,	5
1859 May 6,	Andenried,	Audenried,	Explosion of gas,	6
1860 Nov. 2,	Mill Creek,	Mill Creek,	Explosion of gas,	5
1860 May 3,	Lykens Valley,	Shamokin,	Explosion of gas,	5
1862 May 24,	Kohinoor;	Shenandoah,	Explosion of gas,	5
1864 Aug. 21,	Buck Ridge,	Shamokin,	Mine fire,	7
1865 April 6,	Cuyler,	Raven Run,	Fall of roof,	10
1865 Aug. 11,	West End,	Mocanaqua,	Suffocation by gas from boiler fire,	10
1865 Oct. 21,	Plymouth No. 2,	Plymouth,	Explosion of gas,	6
1866 Dec. 18,	Nanticoke No. 1,	Nanticoke.	Inrush of quicksand,	26
1866 Aug. 30,	Fair Lawn,	Scranton.	Explosion of gas,	6
1866 Sept. 13,	Marvine,	Scranton.	Suffocation by gas,	8
1867 Nov. 26,	Conyngham,	Wilkes-Barre,	Explosion of gas,	12
1867 April 27,	Tunnel,	Ashland,	Suffocation by gas,	5
1869 Oct. 1,	Bast,	Big Mine Run,	Explosion of gas,	5
1869 May 9,	Kaska William,	Middleport,	Car falling on cage in shaft,	10
1870 Feb. 1,	Nottingham,	Plymouth,	Explosion of gas,	8
1870 March 3,	South Wilkes-Barre No. 3,	Wilkes-Barre,	Explosion of gas,	8
1870 April 2,	Susquehanna No. 4,	Nanticoke,	Explosion of gas,	5
1870 May 15,	Jersey No. 8,	Ashley,	Drowned by water from old workings,	26
1871 Feb. 4,	Spring Mountain No. 1,	Jeanesville,	Suffocation by gas,	13
1871 Oct. 23,	Richardson,	Glen Carbon,	Explosion of gas,	7
1871 Nov. 8,	Susquehanna No. 1,	Nanticoke,	Drowned by water from old workings,	12
1872 April 20,	Lytle,	Minersville,	Explosion of gas,	10
1872 July 23,	York Farm,	Pottsville,	Explosion of gas,	15
1873 April 1,	Nelson,	Shamokin,	Mine fire,	10
1873 June 22,	Susquehanna No. 1,	Nanticoke,	Explosion of gas,	5
1873 Sept. 21,	Lance No. 11,	Plymouth,	Explosion of gas,	6
1874 Feb. 13,	Gaylord,	Plymouth,	Fall of roof,	13
1874 July 17,	East Sugar Loaf,	Stockton,	Explosion of powder and dynamite,	8
1874 Oct. 8,	Luke Fidler,	Shamokin,	Mine fire,	5
1875 Oct. 11,	Henry Clay,	Mahanoy Plane,	Boiler explosion,	6
1875 Feb. 18,	West Bear Ridge,	Wilkes-Barre,	Explosion of gas,	5
1876 Oct. 7,	Dorrance,	Pittston,	Explosion of gas,	7
1876 June 28,	Twin,	South Wilkes-Barre No. 3,	Fall of roof,	58
1876 Oct. 29,		Wilkes-Barre,	Explosion of gas,	6

1897	Jan. 13,	Wadesville, Jermyn No. 1, -	Crosshead falling down shaft, -
	Sept. 28,	Mine fire, -	Mine fire, -
1898	Oct. 30,	Von Storch, -	Mine fire, -
	May 26,	Kaska William, -	Drowned by water from old workings, -
	Oct. 1,	Midvale, -	Mine fire, -
	Nov. 5,	Exeter, -	Car falling on cage in shaft, -
1900	Nov. 9,	Buck Mountain, -	Explosion of gas, -
1901	Oct. 25,	Buttonwood, -	Explosion of gas, -
1902	Nov. 29,	Lake Fidler	Explosion of gas, -
	Dec. 9,	South Wilkes-Barre, -	Explosion of powder and dynamite, -
1904	Jan. 30,	Maple Hill, -	Explosion of powder and dynamite, -
	May 5,	Lance, -	Explosion of powder and dynamite, -
	May 25,	Locust Gap, -	Mine fire, -
	Nov. 2,	Williamstown, -	Suffocation by gas from mine locomotive, -
1905	Feb. 18,	Auchincloss, -	Falling down shaft, -
	March 9,	Lytle, -	Falling down roof, -
	April 26,	Clear Spring, -	Falling down shaft, -
1906	May 15,	Conyngham, -	Falling down shaft, -
	Aug. 6,	Shenandoah City, -	Explosion of powder and dynamite, -
1907	March 2,	Susquehanna No. 7, -	Explosion of gas, -
	June 18,	Holden, -	Explosion of gas, -
1908	May 12,	Johnson No. 1, -	Explosion of gas, -
	May 13,	Mount Lookout, -	Explosion of gas, -
	May 18,	Prospect, -	Explosion of gas, -
	July 15,	Williamstown, -	Fall of roof, -
	Aug. 28,	Warrior Run, -	Explosion of powder and dynamite, -
1909	March 2,	Pennsylvania No. 14, -	Mine cars, -
	Nov. 9,	Auchincloss, -	Explosion of gas, -
1910	Jan. 11,	Nottingham, -	Explosion of gas, -
	March 12,	South Wilkes-Barre No. 5, -	Explosion of gas, -
1911	April 7,	Pancoast, -	Mine fire, -
	May 27,	Cameron, -	Explosion of gas, -
	Sept. 12,	Mrvine, -	Mine cars, -
	Oct. 3,	Drifton No. 2, -	Cave-in, -
1912	Jan. 9,	Parrish, -	Explosion of gas, -
1913	Aug. 2,	East Brookside, -	Explosion of gas, -
1914	May 29,	Maryd, -	Overwinding of cage, -
	Sept. 16,	Lehigh No. 4, -	Explosion of gas, -
	Dec. 9,	Diamond, -	Falling down shaft, -
1915	Feb. 17,	Prospect, -	Explosion of gas, -
1916	Feb. 8,	Lance No. 11, -	Explosion of gas, -
	March 9,	Hollenback No. 2, -	Explosion of gas, -
	Aug. 8,	Woodward, -	Explosion of gas, -
1919	June 5,	Baltimore No. 5 (Baltimore Tunnel), -	Explosion of powder and dynamite, -
	July 8,	Lansford, -	Explosion of gas, -
1921	March 9,	Rahn, -	Explosion of gas, -
1922	Nov. 3,	Fatty Creek, -	Premature explosion of blast, -

Note:—January 12, 1846.—At 8 A. M. there was a subsidence of several acres of the surface at drifts Nos. 1 and 2 of the Delaware and Hudson mines at Carbondale, Luzerne (now Lackawanna) County. About 30 miners were at work in the vicinity of the cave-in, 14 of whom were killed. Only 6 bodies were recovered. Accounts of this disaster were published in the Miners' Weekly Journal, Pottsville, January 17 and 24, 1846.

August 14, 1871.—At 9 A. M. an explosion of gas occurred at the Eagle Shaft mine near Pittston, in which 17 men were killed. The Public Ledger, Philadelphia, in its issue of August 16, 1871, gives a brief account of this disaster.

C—Occupations of Persons Fatally Injured, by Counties, 1921

Occupations	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuylkill	Susquehanna	Wayne	Total	Per cent
INSIDE											
Mine foremen, -----			1	2						3	.60
Assistant mine foremen, -----				5						5	1.00
Fire bosses, -----		2	2	1						5	1.00
Miners, -----	6	3	5	57	105	30	91	1	2	300	59.76
Miners' laborers, -----		28		40	6	12				86	17.13
Machine runners and scrapers, -----			1							1	.20
Motormen, -----			1	1			1			3	.60
Motormen's assistants, -----			1	3						4	.80
Drivers and runners, -----	1		2	13	1	6				23	4.58
Trackmen, -----			1				1			2	.40
Bratticemen, -----							1			1	.20
Timbermen and rockmen, -----			1	3	1	1				6	1.19
Electricians, -----					1	4		1		1	.20
Doorboys, -----					22	5	14			5	.99
All other employes, -----	1	1	1	13						57	11.35
Total inside, -----	7	5	7	111	198	44	127	1	2	502	
Per cent, -----	1.39	1.00	1.39	22.11	39.44	8.77	25.30	.20	.40		100.00
OUTSIDE											
Foremen, -----					1					1	2.27
Carpenters, -----				1	1		1			3	6.82
Engineers and firemen, -----					2		1			3	6.82
Slatepickers (boys), -----							1			1	2.27
All other employes, -----	4			10	8	3	11			36	81.82
Total outside, -----	4			11	12	3	14			44	
Per cent, -----	9.09			25.00	27.27	6.82	31.82				100.00
Grand total, -----	11	5	7	122	210	47	141	1	2	546	

C—Occupations of Persons Fatally Injured, by Counties, 1922

Occupations	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuylkill	Sullivan	Susquehanna	Total	Per cent
INSIDE											
Mine foremen, -----				1	2					3	1.15
Assistant mine foremen, -----				1	5					7	2.66
Fire bosses, -----					2		1			3	1.15
Miners, -----	2	1	33	48	12	27	2	2	127	48.85	
Miners' laborers, -----	1		19	21		7	1		49	18.85	
Motormen, -----		1		2	2					5	1.92
Motormen's assistants, -----				1	1					2	.77
Drivers and runners, -----					5	3	3			11	4.23
Trackmen, -----					3					3	1.16
Timberman and rockmen, -----		2		6	1					7	2.69
Electricians, -----				1						1	.39
Doorboys, -----					2	1	2			5	1.92
All other employes, -----				11	18	2	6			37	14.23
Total inside, -----	3	1	1	75	110	48	47	3	2	260	-----
Per cent, -----	1.15	.38	.39	28.85	42.31	6.92	18.08	1.15	.77		100.00
OUTSIDE											
Foremen, -----							1			1	2.50
Carpenters, -----	1									1	2.50
Engineers and firemen, -----							1			1	2.50
Machinists, -----					1		1			2	5.00
Slatepickers (boys), -----				1						1	2.50
All other employes, -----	2			3	11	2	15	1		34	85.00
Total outside, -----	3			4	12	2	18	1		40	-----
Per cent, -----	7.50			10.00	30.00	5.00	45.00	2.50			100.00
Grand total, -----	6	1	1	79	122	20	65	4	2	300	-----

D—Nationality of Persons Fatally Injured, by Counties, 1921

Nationality	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuylkill	Sullivan	Susquehanna	Wayne	Total	Per cent
INSIDE												
American, -----	1	3	6	25	49	21	41				146	29.08
Austrian, -----	2			6	7	1	13			2	31	6.18
English, -----				2	4						6	1.19
Finnish, -----					1						1	.20
German, -----					2	1					3	.60
Greek, -----						1					1	.20
Irish, -----					6	7					13	2.59
Italian, -----	1				15	16	10				42	8.36
Lithuanian, -----					9	23	3	29			64	12.75
Magyar, -----						1					1	.20
Mexican, -----						1					1	.20
Polish, -----		2			33	56	14	17		1	123	24.50
Russian, -----	1				2	15	2	5			25	4.98
Scotch, -----					1						1	.20
Slavonian, -----	2				6	8	2	9			27	5.38
Spanish, -----					2	1					3	.60
Swedish, -----						2		1			3	.60
Syrian, -----								2			2	.40
Ukrainian, -----					1						1	.20
Welsh, -----				1	1	5	1				8	1.59
Total inside, -----	7	5	7	111	198	44	127		1	2	502	-----
Per cent, -----	1.39	1.00	1.39	22.11	39.44	8.77	25.30		.20	.40		100.00
OUTSIDE												
American, -----	4			7	5	2	11				29	65.91
Austrian, -----					1		1				2	4.55
English, -----					1						1	2.27
German, -----					1						1	2.27
Italian, -----				2	1						3	6.82
Polish, -----				1	2	1	1				5	11.36
Slavonian, -----				1	1						2	4.55
Syrian, -----							1				1	2.27
Total outside, -----	4			11	12	3	14				44	-----
Per cent, -----	9.09			25.00	27.27	6.82	31.82					100.00
Grand total, -----	11	5	7	122	210	47	141		1	2	546	-----

D—Nationality of Persons Fatally Injured, by Counties, 1922

Nationality	Carbon	Columbia	Dauphin	Lackawanna	Luzerne	Northumberland	Schuylkill	Sullivan	Susquehanna	Wayne	Total	Per cent
INSIDE												
American, -----	1	1	1	13	34	10	16				76	29.23
Austrian, -----	1			5	5		3		1		15	5.77
English, -----			2	1					1		4	1.54
Greek, -----							2				2	.77
Irish, -----				8	3						11	4.23
Italian, -----	1			8	8	1	5				23	8.85
Lithuanian, -----				8	8	2	9				27	10.38
Magyar, -----			1		1						2	.77
Norwegian, -----					1						1	.38
Polish, -----				17	27	4	4	1			53	20.38
Russian, -----				4	12		3	2			21	8.08
Scotch, -----			1								1	.38
Slavonian, -----			2		4		4				10	3.85
Spanish, -----					1						1	.38
Swedish, -----					1						1	.39
Welsh, -----				6	5		1				12	4.62
Total inside, -----	3	1	1	75	110	18	47	3	2		260	-----
Per cent, -----	1.15	.38	.39	28.85	42.31	6.92	18.08	1.15	.77		100.00	-----
OUTSIDE												
American, -----	1			3	9	1	9	1			24	60.00
Austrian, -----					1		2				3	7.50
Greek, -----							1				1	2.50
Hungarian, -----	1										1	2.50
Irish, -----					1						1	2.50
Italian, -----							2				2	5.00
Lithuanian, -----							1				1	2.50
Polish, -----					1	1					2	5.00
Russian, -----						1	1				2	5.00
Slavonian, -----	1						1				2	5.00
Welsh, -----							1				1	2.50
Total outside, -----	3			4	12	2	18	1			40	-----
Per cent, -----	7.50			10.00	30.00	5.00	45.00	2.50			100.00	-----
Grand total, -----	6	1	1	79	122	20	65	4	2		300	-----

E.—Nationality of Employees and Number Killed, 1921-1922

F—Operators Having Fatalities, 1921

Operators	Causes of fatalities inside					Causes of fatalities outside					Fatalities inside and outside per 1,000 employees	Fatalities inside and outside per 1,000 employees
	Falls	Cars	Gas	Electricity	Miscellaneous	Cars	Gas	Machinery	Electricity	Miscellaneous		
Alden Coal Co.,	2	1	2		4	3	5.12				3.80	7.54
Alliance Coal Mining Co.,						6	15.92				11.41	30.69
Archibald Coal Co.,						3	12.15				3.56	15.42
Buck Ridge Coal Mining Co.,		1	2	2		1	6	14.74			8.24	15.02
Buck Run Coal Co.,						1	1	2.30			11.07	19.22
Colonial Colliery Co.,						1	1				3.13	5.35
John Conlon,		1				1	9.35				7.69	14.88
Coxe Brothers & Co., Inc.,	5	1			5	11	5.71				4.09	5.04
Cranberry Creek Coal Co.,	3	1			1	5	5.70	1			4.47	5.93
Darkwater Coal Co.,						1	1				5.71	9.45
Charles M. Dodson & Co.,		1				1	4.65				1.98	3.29
East Bear Ridge Colliery Co.,						1	3.25	1			2.33	3.41
East Boston Coal Co.,						1	66.67	1			2.40	5.78
Eclipse Coal Co.,	1					1	2				40.00	357.91
Enterprise Coal Co.,						3	4.72				3.37	8.91
Excelsior Coal Co.,	1					60	18.40	1			9.90	13.22
Glen Alden Coal Co.,	28	8	4	1	19	2	4.24			2	3.62	5.34
Greenough Red Ash Coal Co.,						2	5.85			3	4.11	7.77
Haddock Mining Co.,						1	1	3.64			2.68	5.55
Harleigh-Brookwood Coal Co.,						1	1	2.13			1.32	2.33
Harwood Coal Co.,						1	1	4.88			2.59	9.24
Healey Coal Co.,						1	1	9.09			6.76	18.34
Hillman Coal Co.,	1					1	1	5.18			4.07	9.43
Hillside Coal & Iron Co.,	3		3			7	2.87				1	2.46
Hudson Coal Co.,	35	8	5		15	63	4.64	3	1	1	6	6.22
Jeddo-Highland Coal Co.,	4					5	3.10	1	1	1	3	3.19
Kingston Coal Co.,	2	1	1		1	5	3.40				2.47	5.32
Lackawanna Coal Co., Ltd.,						1	2.53				1.81	3.61
George F. Lee Coal Co.,						1	3.95				6.76	18.17
Leggett Creek Anthracite Co.,		1				2	3.60				2.67	5.00
Lehigh & Wilkes-Barre Coal Co.,	22	3	4		5	34	4.41	3	2	1	3.33	5.49
Lehigh Coal & Navigation Co.,	5	2	6	2	7	20	3.75	44	2	1	3.43	6.07
Lehigh Valley Coal Co.,	20	10	7		1	3	7.14		1	1	3.38	5.11
Locust Mountain Coal Co.,	1					9	20.79				12.89	4.55
Lytle Coal Co.,	3					6	6.80				12.89	25.70
Maryd Coal Co.,						2				1	6.96	9.67
Mid City Coal Co.,						1				1	5.08	12.65

F—Operators Having Fatalities, 1922

Operators	Causes of fatalities inside					Causes of fatalities outside					Fatalities inside and outside per 1,000 employees	Fatalities inside and outside per 1,000,000 tons produced
	Falls	Cars	Gas	Electricity	Miscellaneous	Cars	Machine	Electricity	Miscellaneous	Total		
Alden Coal Co.,	1	1				2	3.76			1	2.76	7.84
Black Heath Coal Co.,										1	47.62	147.45
Blakely Red Ash Coal Co.,						2	5.12			1	27.03	186.01
Buck Run Coal Co.,	1	1				2	16.53			3.67	9.28	
Central Coal Co.,	2					2	2.27			11.49	48.45	
Colonial Colliery Co.,						1				1.50	3.95	
Connell Anthracite Coal Co.,						1	2.79			3.82	14.57	
Coxe Brothers & Co., Inc.,	1					1	.51			1	1.09	3.04
Cranberry Creek Coal Co.,						1				1	1.77	
East Boston Coal Co.,						1	1	2.41		1	1.83	7.98
Enterprise Coal Co.,						1	1	2.82		1	1.90	5.45
Excelsior Coal Co.,										1	3.60	7.44
Glen Alden Coal Co.,										1	2.72	7.36
Haddock Mining Co.,	24	9			1	6	40	3.06	1	2	4	
Harleigh-Brookwood Coal Co.,	1					1	3.70			1	1.31	3.82
Healey Coal Co.,						1	1	2.15		6.85	6.51	
Hillside Coal & Iron Co.,						1	9.35			3.38	29.69	
Hudson Coal Co.,	3					4	1.74			1	1.31	4.89
Jeddo-Highland Coal Co.,	14	4				17	35	2.64	2	3	5	2.37
Kingston Coal Co.,						1	.64			1	.44	1.07
Lackawanna Coal Co., Ltd.,	1					2	1.49			1	1.62	5.95
George F. Lee Coal Co.,						1	2.49			1	1.81	5.44
Leggett Creek Anthracite Co.,						1	6.67			5.41	33.91	
Lehigh & Wilkes-Barre Coal Co.,						1	4.88			3.69	12.32	
Lehigh Coal & Navigation Co.,	10	3				1	23	3.20		2.40	6.43	
Lehigh Valley Coal Co.,	3					2	8	1.60	1	1	3.78	
Locust Mountain Coal Co.,	17	5			1	9	36	3.53	1	2	2.84	8.00
Lytte Coal Co.,	1					1	9	5.52	2	2	2	
Maryd Coal Co.,						1	2			1	4.56	8.01
Mill Creek Coal Co.,	1					1	2.25			2.34	5.11	
W. Y. Moffat Coal Co.,						1	3.55			1.61	5.10	
Mount Jesup Coal Co., Ltd.,		1				1	1.74			1	1.39	4.97
Mount Lookout Coal Co.,						2	7.27			5.26	17.74	
Northern Anthracite Coal Co.,						2	15.04			9.17	22.98	
Pennsylvania Coal Co.,	11	1				4	1.68			1	1.37	4.98
Philadelphia & Reading Coal & Iron Co.,	14	7				5	27	1.39	9	1	4.26	

Pine Hill Coal Co.,	1	1	1	1	3	4.23
Pittston Coal Mining Co.,	1			2	3	5.04
Prie-Pancoast Coal Co.,	1			2	2	16.81
Raven Run Coal Co.,	1		1		1	
Replplier Coal Co.,	1					
Saint Clair Coal Co.,					2	
Scranton Coal Co.,	1			3	4	1.44
Shipman Coal Co.,	1	1			2	6.67
E. S. Stackhouse Coal Co.,	1				1	6.17
Suffolk Coal Co.,		1			1	2.54
Susquehanna Collieries Co.,	3	4		4	11	1.61
Temple Coal Co.,		3		1	4	3.09
Traders Coal Co.,				1	1	3.32
Trevorton Colliery Co.,				1	1	6.90
Von Storch Collieries Co.,	1		1		2	4.09
J. S. Wentz Co.,				1	15.63	1
West End Coal Co.,			1		1	1.26
						.95
						2.63

G—Total Production, Production from Washerries, Employes, Fatalities, 1870-1922

Years	Employes	Fatalities	Total production (net tons)	Production from washerries (net tons)	Production per fatality	Fatalities per 1,000,000 tons produced
1870, -----	35,600	211	14,172,004	-----	67,166	14.89
1871, -----	37,488	210	15,532,252	-----	73,963	13.52
1872, -----	44,745	223	15,567,973	-----	69,811	14.32
1873, -----	48,199	264	21,001,521	-----	79,551	12.57
1874, -----	53,402	231	19,930,240	-----	86,278	11.59
1875, -----	69,966	238	23,402,646	-----	98,330	10.17
1876, -----	70,474	228	23,440,666	-----	102,810	9.73
1877, -----	66,842	194	24,727,213	-----	127,460	7.85
1878, -----	63,964	187	20,900,966	-----	111,770	8.95
1879, -----	68,847	262	31,036,600	-----	118,460	8.44
1880, -----	73,373	202	27,974,532	-----	138,488	7.22
1881, -----	76,031	273	34,202,558	-----	125,284	7.98
1882, -----	82,200	295	35,057,480	-----	118,839	8.41
1883, -----	91,421	323	37,747,369	-----	116,865	8.56
1884, -----	101,073	332	36,468,738	-----	109,846	9.10
1885, -----	100,320	332	38,232,155	-----	115,157	8.68
1886, -----	103,044	279	38,950,982	-----	139,609	7.16
1887, -----	106,517	316	42,156,300	-----	133,406	7.50
1888, -----	122,218	364	46,635,037	-----	128,118	7.81
1889, -----	119,646	397	43,650,768	-----	109,952	9.09
1890, -----	119,919	378	44,986,286	-----	119,011	8.40
1891, -----	123,308	428	49,701,322	-----	116,125	8.51
1892, -----	130,300	418	51,226,978	-----	122,558	8.16
1893, -----	138,069	456	52,841,110	-----	115,880	8.63
1894, -----	139,939	446	50,966,920	386,960 ¹	114,276	8.75
1895, -----	143,705	421	56,948,756	686,534	135,270	7.39
1896, -----	150,088	502	53,843,250	527,809	107,257	9.32
1897, -----	149,557	423	52,581,036	732,743	124,305	8.04
1898, -----	142,420	411	52,812,675	697,759	128,498	7.78
1899, -----	140,604	461	60,518,331	1,055,425	131,276	7.62
1900, -----	143,824	411	57,363,396	1,818,170	139,570	7.16
1901, -----	147,651	513	67,094,665	2,009,564	130,780	7.65
1902, -----	148,139	300	41,340,935	2,965,792	137,803	7.26
1903, -----	151,827	518	75,232,585	4,119,258	145,237	6.89
1904, -----	161,330	595	73,594,369	3,440,420	123,688	8.08
1905, -----	168,254	644	78,647,020	3,897,688	122,123	8.19
1906, -----	166,175	557	72,139,510	4,880,402	129,514	7.72
1907, -----	168,774	708	86,056,412	5,630,169	121,549	8.23
1908, -----	174,508	678	83,543,243	4,635,923	123,220	8.12
1909, -----	171,195	567	80,223,883	5,206,562	141,488	7.07
1910, -----	168,175	601	83,683,994	5,412,167	139,241	7.18
1911, -----	173,338	699	90,917,176	4,555,457	130,067	7.69
1912, -----	175,098	601	84,426,869	4,317,161	140,477	7.12
1913, -----	175,310	624	91,626,964	2,934,157	146,838	6.81
1914, -----	180,899	600	91,189,641	2,702,537	151,983	6.58
1915, -----	177,389	588	89,377,706	3,418,427	152,003	6.58
1916, -----	159,169	565	87,680,198	4,432,606	155,186	6.44
1917, -----	156,148	581	100,445,299	6,408,277	172,883	5.78
1918, -----	148,226	556	99,445,794	7,246,454	178,859	5.59
1919, -----	153,780	636	87,838,024	3,616,675	138,110	7.24
1920, -----	149,117	490	89,636,086	5,435,697	182,931	5.47
1921, -----	161,926	546	90,358,642	1,842,096	165,492	6.04
1922, -----	159,880	300	53,910,201	2,525,402	179,701	5.56
Total, -----	6,653,356	22,583	2,972,987,076	97,538,591	131,647	7.60

¹No accurate record previous to 1894

1921

	Carbon	Columbia	Dauphin	Lacka-wanna	Luzerne	Northum-berland	Schuylkill	Sullivan	Susque-hanna	Wayne	Total	Per Cent
Nature of use												
Shipped to market, --	2,506,013	1,198,114	658,959	17,550,275	31,648,629	5,911,695	17,578,538	323,232	572,874	36,600	77,984,929	86.31
Consumed at collieries, --	238,754	180,671	214,700	1,632,211	3,633,711	996,486	2,804,242	58,240	46,367	2,611	9,807,933	10.85
Sold locally, --	57,918	23,790	37,887	512,829	1,400,862	176,162	332,227	8,297	15,421	327	2,565,720	2.84
Total production, --	2,802,685	1,402,575	911,546	19,695,315	36,683,302	7,084,343	20,715,007	389,769	634,662	39,538	90,358,642	100.00
Per cent, --	3.10	1.55	1.01	21.80	40.60	7.84	22.93	.43	.70	.04		
Average days worked, --	257	281	262	266	270	275	280	217	298	292	#271	
1922												
Nature of use												
Shipped to market, --	1,743,038	746,787	485,033	9,963,906	17,615,932	3,562,442	10,871,807	182,239	321,618	21,422	45,514,224	84.43
Consumed at collieries, --	197,634	127,875	173,938	881,162	2,118,118	762,994	1,879,968	34,720	34,908	892	6,212,209	11.52
Sold locally, --	57,141	23,801	27,432	437,936	1,131,350	165,358	319,473	7,364	13,595	318	2,183,768	4.05
Total production, --	1,997,813	898,463	686,403	11,283,004	20,865,400	4,490,794	13,071,248	224,323	370,121	22,632	53,910,201	100.00
Per cent, --	3.70	1.67	1.27	20.93	38.70	8.33	24.25	.42	.69	.04		
Average days worked, --	154	138	148	131	145	155	156	113	160	143	#143	

Not including washeries.

B—Employees Classified by Occupation, 1921

Districts												
1	2	3	4	5	6	7	8	9	10	11	12	13
INSIDE												
Mine foremen, -												
Assistant mine foremen, -												
Fire bosses, -												
Miners, -												
Miners' laborers, -												
Machine miners, -												
Machine runners and scrapers, -												
Drivers and runners, -												
Motormen and assistants, -												
Doorboys and helpers, -												
Trackmen and bratticemen, -												
Timbermen and rockmen, -												
Pumpmen and pipemen, -												
Electricians and helpers, -												
All other employes, -												
Total inside, -												
3,825	4,943	5,025	3,223	3,823	5,418	4,502	7,128	3,923	4,989	5,387	5,885	6,123
OUTSIDE												
Superintendents, -												
Foremen, -												
Blacksmiths and carpenters, -												
Engineers and firemen, -												
Machinists and helpers, -												
Trackmen and helpers, -												
Slatepickers (boys), -												
Slatepickers (men), -												
Office employes, -												
All other employes, -												
Total outside, -												
Grand total, -												
5,331	6,471	6,256	4,099	4,888	7,324	5,730	9,312	5,448	6,283	7,022	7,506	7,721

B—Employees Classified by Occupation, 1921—Continued

B—Employees Classified by Occupation, 1922

Districts														
		1	2	3	4	5	6	7	8	9	10	11	12	13
INSIDE														
Mine foremen, -----		24	15	14	11	14	23	18	23	19	21	16	19	18
Assistant mine foremen, -----		47	72	67	24	37	66	63	63	71	100	68	59	55
Fire bosses, -----		8	3	34	21	18	27	2	47	19	24	64	72	51
Miners, -----		1,730	1,780	1,630	906	1,140	1,948	1,586	2,544	1,746	1,974	1,812	2,117	2,321
Miners' laborers, -----		888	1,563	1,666	918	1,051	1,573	1,408	2,081	594	1,152	1,013	1,317	1,249
Machine miners, -----		63	65	13	56	16	2	16	6	4	4	2	2	2
Machine runners and scrapers, -----		64	29	14	40	14	16	16	16	4	4	4	4	4
Drivers and runners, -----		246	439	485	360	186	208	223	232	497	561	503	589	334
Motormen and assistants, -----		170	323	245	128	183	327	211	379	112	168	153	176	256
Doorboys and helpers, -----		38	104	57	33	24	52	29	101	60	70	202	164	139
Trackmen and bratticemen, -----		142	155	128	89	104	128	128	248	150	173	167	267	205
Timbermen and rockmen, -----		46	43	91	88	67	67	91	135	94	208	187	127	118
Pumpmen and pipemen, -----		54	49	70	56	45	52	46	63	119	77	60	42	96
Electricians and helpers, -----		18	11	30	24	22	38	34	60	11	20	16	21	34
All other employers, -----		326	494	569	465	312	587	458	991	369	533	845	767	946
Total inside, -----		8,879	5,145	5,113	3,239	3,222	5,174	4,387	7,273	3,869	5,083	5,126	5,677	5,885
OUTSIDE														
Superintendents, -----		17	12	6	8	9	11	10	6	8	7	2	7	6
Foremen, -----		23	24	14	10	16	17	13	10	17	19	13	16	13
Blacksmiths and carpenters, -----		104	109	114	88	101	116	119	226	155	116	79	142	187
Engineers and firemen, -----		167	171	161	105	101	205	107	222	221	177	258	215	240
Machinists and helpers, -----		35	50	33	8	25	65	35	86	33	19	34	34	45
Trackmen and helpers, -----		30	24	7	1	7	27	23	26	19	20	11	7	24
Shatepickers (boys), -----		132	67	44	104	106	148	210	131	102	98	81	102	102
Shatepickers (men), -----		71	91	114	71	37	83	35	36	43	59	38	46	46
Office employees, -----		46	36	36	20	18	32	31	28	40	35	33	24	33
All other employees, -----		855	1,054	766	439	650	1,116	693	1,286	779	751	989	1,024	746
Total outside, -----		1,480	1,638	1,295	854	1,070	1,820	1,276	2,136	1,442	1,293	1,561	1,588	1,532
Grand total, -----		5,359	6,783	6,408	4,093	4,302	6,994	5,663	9,400	5,311	6,376	6,687	7,265	7,427

Districts											Total	
14	15	16	17	18	19	20	21	22	23	24	25	Total
INSIDE												
Mine foremen, -	19	23	10	22	15	13	17	21	17	15	12	455
Assistant mine foremen, -	45	41	18	56	54	129	94	81	61	84	83	1,616
Fire bosses, -	75	14	7	30	35	128	16	40	40	31	21	745
Miners, laborers, -	2,299	2,322	1,626	2,189	1,784	1,834	1,803	2,316	2,044	1,321	454	4,444
Miners, laborers, -	1,063	951	814	26	306	431	472	594	406	464	383	2,761
Machine miners, -	3	317	252	83	264	206	247	255	213	300	244	1,841
Machine runners and scrapers, -	322	112	79	188	94	53	15	98	100	73	49	8,014
Drivers and runners, -	276	36	49	24	40	34	40	30	57	29	40	4,008
Motormen and assistants, -	82	186	163	106	147	121	121	156	222	150	32	1,596
Doorboys and helpers, -	207	410	191	756	319	199	234	397	426	288	321	4,269
Trackmen and bratticemen, -	261	82	70	13	45	69	56	52	80	73	301	5,469
Timbermen and rockmen, -	58	26	19	7	56	11	11	4	22	16	79	1,584
Pumpmen and pipemen, -	26	403	226	1,494	903	888	1,025	892	614	899	6	526
Electricians and helpers, -	716	4,958	3,548	4,429	4,610	3,269	4,293	4,235	4,242	4,668	4,320	893
All other employes, -	5,903	4,958	3,548	4,429	4,610	3,269	4,293	4,235	4,242	4,668	4,320	115,285
Total inside, -												
OUTSIDE												
Superintendents, -	8	7	9	9	11	11	11	11	11	18	2	188
Foremen, -	15	25	37	37	198	164	100	103	206	156	18	11
Blacksmiths and carpenters, -	192	176	182	233	214	308	295	293	278	297	138	453
Engineers and firemen, -	235	310	51	53	165	56	27	14	36	35	291	3,514
Machinists and helpers, -	92	40	73	69	77	39	24	5	46	27	23	252
Trackmen and helpers, -	149	84	145	66	188	146	80	221	135	185	29	5,624
Slatepickers (boys), -	27	79	45	12	72	66	117	106	152	76	154	1,008
Slatepickers (men), -	61	47	71	42	49	63	37	72	51	56	80	277
Office employes, -	1,135	1,400	1,500	1,064	1,341	1,238	1,730	1,444	1,143	1,124	1,161	48
All other employes, -	2,014	2,242	2,436	1,877	2,408	2,101	1,888	2,717	2,324	1,960	1,897	1,743
Total outside, -	7,917	7,260	5,984	6,306	7,018	5,370	6,181	6,952	6,566	6,628	6,217	44,592
Grand total, -												159,880
Grand total, -												5,464

C—Power and Haulage Equipment, 1921

Districts	Power plant		Engines		Pumps		Haulage		Air com- pressors	
	Boilers	Cylindrical	Steam engines (all classes)	Internal combust- ion engines (gas)	Electric dynamos (all classes)	Number of horses	Pumps delivering water to surface	Number of horses	Steam engines	Electric dynamos (all classes)
1,	120	111	13,778	162	18,177	36	5,046	135	62,016	43
2,	65	65	14,088	161	15,477	31	11,077	137	104,025	58
3,	2,965	50	12,260	154	21,529	14	2,500	97	60,954	28
4,	215	45	8,120	105	9,491	19	2,980	88	45,082	22
5,	1	48	16,758	69	10,172	22	42,160	108	53,670	21
6,	60	60	75	154	25,506	30	9,879	140	68,034	31
7,	690	56	20,270	99	32,666	7	2,300	133	47,260	32
8,	1,690	133	24,345	227	27,402	24	7,433	199	29,100	460
9,	3,600	65	18,008	235	23,990	30	6,368	205	98,460	45
10,	1,100	54	12,676	208	26,662	29	1,850	175	78,823	36
11,	86	86	21,309	365	46,931	15	4,680	160	60,191	22
12,	2,250	88	22,950	413	75,412	39	25,682	135	152,739	21
13,	1,625	72	14,673	205	38,697	9	2,187	133	64,995	37
14,	62	62	16,893	129	19,890	4	6,650	148	52,541	37
15,	127	29	375	210	24,843	13	1,941	128	92,900	53
16,	127	19,990	149	14,315	11	1,517	114	94,697	56	59,466
17,	71	16,128	37	16,815	8	1,302	136	65,615	11	21,700
18,	124	21,105	205	35,505	4	18	4,980	113	116,065	49
19,	114	22,600	253	33,445	30	4	1,200	177	82,143	38
20,	159	22,025	354	51,769	1	50	12	1,991	109,304	38
21,	128	19,750	327	33,733	120	19	3,815	120	78,120	33
22,	165	29,705	284	50,779	3	150	152	117,992	45	42,809
23,	108	17,573	276	22,477	1	30	18	3,610	84,451	50
24,	128	17,085	296	29,625	10	2,475	155	80,719	54	22,238
25,	6	27,535	289	39,128	12	10,130	137	66,770	15	13,473
Total,	96	15,450	2,434	467,964	5,366	721,436	10	254	446	163,743
										*3,405
										2,051,104
										894
										602,628
										11,652
										10
										655
										86
										514
										1,864
										514
										406,474

* Including 12 water shaft tanks.

C—Power and Haulage Equipment, 1922

FIRST DISTRICT, 1921

Racket Brook Coal Co.	Lackawanna, D. & H., ---	140,619	1,068	3,136	104,823	193	320	42,996	91,825
Richmondale Coal Co.	Lackawanna, N. Y. O. & W.,	16,670	275	91	17,036	152	49	1	1,500
Richmondale,	Lackawanna, N. Y. O. & W.,	37,761	55	61	37,877	103	89		
Robertson Coal Co.	Lackawanna, N. Y. O. & W.,	1,350	50	50	1,400	79	40		
Robertson Washery, ---	Lackawanna, N. Y. O. & W.,	165,934	44,399	2,720	213,053	275	500	2	24,625
M. Schlosser, Trustee	Lackawanna, N. Y. O. & W.,	19,239	188	19,427	50	50	22		178,200
Northeast,		185,173	44,399	2,908	232,480	542	542	2	24,625
Scranton Coal Co.									178,200
Ontario, Ontario Washery, ---	Lackawanna, N. Y. O. & W.,	1,068	1,068	1,068	1,068	1,068	1,068	1,068	1,068
Total, ---									
Temple Coal Co.	Lackawanna, Erie & N. Y. O. & W.,	97,806	11,005	1,237	110,048	231	291	1	3
Northwest,									
Grand total, ---		2,157,602	208,832	69,067	2,425,441	5,331	5,331	8	551,1,035,525
									807,478
									353,395

¹Disability 60 days or more

SECOND DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employes	Fatal accidents	Explosives used—pounds			
										Serious non-fatal accidents	Black powder	Dynamite	Permissible
Hudson Coal Co.													
Coal Brook, -----	D. & H., -----	736,249	58,485	1,624	796,358	310	1,329	5	17	424,125	135,426	55,045	
Gravity Slope, -----	D. & H., -----	596,906	24,158	7,671	628,785	290	1,063	4	8	326,450	17,889	181,822	
Powdery, -----	D. & H., -----	385,201	47,207	12,568	444,976	301	874	2	7	151,475	51,386	112,086	
Jermyn, -----	D. & H., -----	407,242	10,201	417,448	296	804	5	11	182,450	139,479	119,184		
		2,125,598	140,051	21,863	2,287,512	-----	4,070	16	43	1,084,500	344,120	408,157	
Washeries, Coal Brook, Gravity Slope, -----	D. & H., -----	2,371	12,369	-----	14,740	-----	†	-----	-----	-----	-----	-----	
	D. & H., -----	5,564	133	-----	5,697	-----	#	-----	-----	-----	-----	-----	
		7,935	12,502	-----	20,437	-----	-----	-----	-----	-----	-----	-----	
		2,133,538	152,553	21,863	2,307,949	-----	4,070	16	43	1,084,500	344,120	408,157	
Total, -----													
Scranton Coal Co.													
Riverside, Raymond, *	N. Y. O. & W., N. Y. O. & W.,	143,650	26,061	3,210	172,921	265	419	1	-----	72,500	34,800	55,975	
		145,499	7,729	-----	153,228	256	414	1	4	15,000	140,000	800	
Total, -----		289,149	33,790	3,210	326,149	-----	833	2	4	87,500	174,800	56,775	
Temple Coal Co.													
Sterrick Creek, -----	Erie, -----	209,199	29,586	7,770	246,555	248	529	2	1	97,400	92,425		
Hillside Coal & Iron Co.	Erie, -----	116,343	6,770	533	123,646	297	373	2	1	92,000	50	55,610	
Humbert Coal Co.	Erie, -----	97,509	3,000	672	101,181	253	225	-----	-----	78,725	14,316	19,000	
Archbald Coal Co.	D. & H., -----	52,031	3,427	2,461	57,919	123	281	1	1	4,275	30,000	15,725	
Tappans, -----													

*Breaker burned December 13, 1920. Coal prepared at Ontario breaker, 1st District.

†Included with Coal Brook Colliery.

Included with Gravity Slope Colliery.

Rhondda Coal Co.	Rhondda Washery, -----	Lackawanna, -----	N. Y. O. & W.,	37,405	500	37,905	117	40	-----	-----	-----	-----	6,000
Murrin Coal Co.	Fall Brook, -----	Lackawanna, -----	N. Y. O. & W.,	13,065	450	2,310	15,825	127	75	-----	-----	-----	-----
Eclipse Coal Co.	Falls, -----	Lackawanna, -----	N. Y. O. & W.,	1,000	-----	1,495	2,495	225	25	1	-----	5,550	11,100
Fireside Coal Co.	Fireside, -----	Lackawanna, -----	N. Y. O. & W.,	2,000	45	2,045	59	20	-----	-----	150	75	-----
Grand total, -----	-----	-----	-----	2,951,234	230,121	40,314	3,221,609	6,471	24	50 ¹	1,450,200	655,786	632,347

¹Disability 60 days or more.

THIRD DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em-ployees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds	
											Black powder	Dynamite
Glen Alden Coal Co.												
Diamond, - - - - -	D. L. & W., - - - - -	544,894	55,724			600,618	290	1,132	3	9	227,700	577,397
Cayuga, † - - - - -	D. L. & W., - - - - -	266,941	27,433			294,374	289	553	3	10	63,325	242,713
Total, - - - - -		811,835	83,157			894,992		1,685	6	19	291,025	820,110
Hudson Coal Co.												
Eddy Creek, - - - - -	D. & H., - - - - -	645,781	21,639			667,420	240	1,334	5	18	651,740	175,191
Marvine, - - - - -	D. & H., - - - - -	492,551	48,930			561,893	294	1,301	4	17	377,840	243,162
Dickson, * - - - - -	D. & H., - - - - -						338	333	2	2	119,300	131,523
Eddy Creek Washery, - - -	D. & H., - - - - -	1,138,332	70,569			1,237,313	#	2,974	11	37	1,148,840	38,473
Total, - - - - -		1,138,958	15,894			16,520						
Leggits Creek Anthracite Co.												
Leggits Creek, - - - - -	D. & H., - - - - -	292,068	59,646			357,438	296	750	2	14	169,325	104,238
Mid City Coal Co.												
Bulls Head, - - - - -	N. Y. O. & W., - - - - -	53,831	1,500			70,559	268	197	1		2,500	8,000
Pleasant Mount Coal Co.												
Pleasant Mount Washery, - -	N. Y. O. & W., - - - - -	7,067	49			7,116	53	15				
Von Storch Collieries Co.												
Von Storch, - - - - -	D. & H., - - - - -	214,471	32,882			14,686	262,039	287	635	1	2	11,145
Grand total, - - - - -		2,518,230	263,697			64,050	2,845,977		21	721	1,622,835	997,795
												863,558

*Coal prepared at Marvine Colliery.

†Coal prepared at Eddy Creek Colliery.

‡Coal prepared at Diamond breaker.

1 Disability 60 days or more.

FOURTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Explosives used—pounds				
									Fatal accidents	Serious non-fatal accidents	Black powder	Dynamite	Permissible
Glen Alden Coal Co.	Lackawanna, - - -	D. L. & W., - - -	231,873	37,312	27,699	296,884	242	647	5	8	244,875	55,125	25
Hyde Park, - - -	D. L. & W., - - -	143			143		#		1				
Brishin Washery, - - -													
Total, - - -			232,016	37,312	27,699	297,027		647	5	9	244,875	55,125	25
Green Ridge Coal Co.	Lackawanna, - - -	Erie & D. & H.	33,809	5,016	4,028	42,833	177	143		1	2,600	41,650	
Green Ridge, - - -													
Hudson Coal Co.	Lackawanna, - - -	D. & H., - - -	367,456	17,042		384,498	343	272	1	4	204,275	1,224	13,991
Manville, * - - -													
Lackawanna Fuel Co.	Lackawanna, - - -	N. Y. O. & W. & D. L. & W.	46,905	120	11,049	58,074	287	31		1			
Lackawanna Washery, - - -													
No. 5 Colliery, - - -	Lackawanna, - - -	Erie, - - -	237,249	14,322	31,200	282,771	300	768	7	9	231,225		25,465
Pennsylvania Coal Co.	Lackawanna, - - -	None, - - -	2,555			2,555	201	16					
Petersburg Coal Co.	Park, - - -												
Price-Pancoast Coal Co.	Lackawanna, - - -	(N. Y. O. & W.) & D. L. & W.	220,728	62,598	8,757	287,033	243	785	2	7	243,175	14,350	500
Pancoast	Lackawanna, - - -	(N. Y. O. & W.) & D. L. & W.		7,112		7,112	243						
Pancoast Washery, - - -													
Total, - - -			220,728	69,710	8,757	294,195		785	2	7	243,175	14,350	500

No. record kept; only a few men employed dismantling washery.

** Included with Pancoast Colliery.

*Breaker abandoned January, 1921. Coal prepared at Marvine breaker, 3rd District.

FOURTH DISTRICT, 1921—Concluded

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds	
											Black powder	Dynamite
Scranton Coal Co.												
Pine Brook, -----	N. Y. O. & W.	383,820	30,139	42,584	456,543	272	1,003	1	6	363,125	48,000	24,050
Capous, ^{††} -----	N. Y. O. & W.	91,083	21,575	-	112,658	272	305	3	2	40,875	16,000	106,420
Mount Pleasant, -----	N. Y. O. & W.,	27,811	5,640	7,739	41,190	226	180	1	1	28,125	-	42,200
Total, -----		502,714	57,354	50,393	610,391	-	1,488	5	9	432,125	64,000	172,675
Se-Rob Coal Co.												
Se-Rob, -----	D. L. & W. (N. Y. O. & W.)	85,913	-	5,233	91,146	7	243	98	-	-	116,250	-
Staples & Bell, Inc., & Dexter & Carpenter, Inc.	D. L. & W., --	1,465	1,325	22	2,812	37	50	-	-	-	-	-
Oxford Washery, -----		1,730,810	202,201	133,311	2,066,322	-	4,099	20	331	1,484,525	186,349	220,656
Grand total, -----												

^{††}Coal prepared at Johnson breaker, 6th District.¹Disability 60 days or more.

FIFTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds			
											Black powder	Dynamite	Permissible	
Black Diamond Fuel Co.	Lackawanna, -----	D. & H., -----	50 -----	50 -----	50 -----	95	10	10	1	1	18	142,825	37,509	29,909
Taylor Washery, -----											24	466,475	158,651	
Gibbons Coal Co., John Gibbons, #	Lackawanna, -----	D. & H., -----	20,000	300	760	21,060	217	35	1	1	11	141,200	49,238	
Glen Alden Coal Co.	Lackawanna, -----	D. L. & W., -----	220,472	20,028	5,887	246,387	239	611	2	2	16	223,575	207,764	
Continental, (a)	Lackawanna, -----	D. L. & W., -----	503,618	51,876	48,101	603,595	241	1,632	6	6	16			
National, -----	Lackawanna, -----	D. L. & W., -----	165,328	5,732	-----	171,060	230	478	3	3	11			
Baker, (b)	Lackawanna, -----	D. L. & W., -----	392,280	32,150	-----	424,430	291	833	5	5	16			
Sloan, -----	Lackawanna, -----	D. L. & W., -----	1,281,698	109,786	53,988	1,445,472	-----	3,554	16	16	71	974,075	453,152	29,909
Archbald, -----														
Hampton Washery, (c)	Lackawanna, -----	D. L. & W., -----	40 -----	27,817 -----	-----	27,857 -----	-----	126	32	32	1			
Hampton Power Plant, (c)	Lackawanna, -----	D. L. & W., -----	40 -----	27,817 -----	-----	27,857 -----	-----	365	81	81	1			
Total, -----			1,281,738	137,603	53,988	1,473,329	-----	3,667	16	16	72	974,075	453,152	29,909
Hudson Coal Co.	Lackawanna, -----	D. & H., -----	472,737	30,971	8,512	512,220	291	1,001	3	3	8	435,225	176,946	36,664
Greenwood Washery, -----	Lackawanna, -----	D. & H., -----	890	525	-----	1,415	X							
Total, -----			473,627	31,496	8,512	513,635	-----	1,001	3	3	8	435,225	176,946	36,664
Moffat, W. Y.	Lackawanna, -----	D. L. & W., -----	33,025	260 -----	-----	33,225	193	100	1	1	1	22,500	-----	11,000
Carlton,†† -----														
Scranton Anthracite Coal Co.	Lackawanna, -----	N. Y. S. & W.	14,600	400 -----	-----	15,000	123	75	1	1	18,750	6,000	24,750	
Oak Hill, -----			1,822,990	170,049	63,260	2,056,299	-----	4,888	20	20	831,450,550	636,098	102,323	
Grand total, -----														

Stripping operation. (a) Fighting mine fire. (b) Bellevue and Dodge Collieries consolidated as Baker, September, 1921. x Included with Greenwood Colliery.

†† No breaker. (c) Produces power for collieries of Glen Alden Coal Co. 1 Disability 60 days or more.

SIXTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds			
											Black powder	Dynamite	Permissible	
Bald Mountain Coal Co.														
Marshwood,†	Lackawanna, ---	D. L. & W., ---	66,053	678	173	66,804	291	153	---	20,625	16,500	4,375		
Carney & Brown Coal Co.	Lackawanna, ---	D. L. & W. and Erie, ---	19,358	350	1,596	21,304	204	64	---	10,000	6,350	3,150		
Glen Alden Coal Co.	Lackawanna, ---	D. L. & W., ---	851,676	62,887	25,307	939,870	291	1,464	4	17	1,258,750	138,977	---	
Storts, ---	Lackawanna, ---	D. & H., ---	817,785	113,847	23,200	954,832	297	1,508	4	14	817,785	25	245,620	
Hudson Coal Co.	Lackawanna, ---	Erie, ---	6,252	25	2,460	8,737	228	26	---	2,100	550	625		
Olyphant, ---	Lackawanna, ---	{D. L. & W. N. Y. O. & W., Erie, ---} {D. & H., --- Erie, ---}	149,651	1,822	416	151,889	285	333	1	12,950	19,856	82,125		
John J. Boland Coal Co.	Lackawanna, ---	John J. Boland, ---	37,323	750	---	38,073	198	157	---	1	1,100	6,500	---	
Mount Jessup Coal Co.	Lackawanna, ---	Mount Jessup No. 1.	823,786	25,449	252	849,487	305	1,490	3	4	826,025	10,325	36,908	
Nay-Aug Coal Co.	Lackawanna, ---	Nay-Aug, ---	651,795	35,279	6,334	693,408	303	1,114	3	578,550	11,950	225,970		
Total, ---			1,475,581	60,728	6,586	1,542,895	---	2,604	6	4	1,404,575	22,275	262,878	
Quinn Coal Co.	Lackawanna, ---	Erie, ---	7,761	---	7,761	7,761	219	98	---	---	---	5,275		
No. 6, ---	Lackawanna, ---													
Seranton Coal Co.	Lackawanna, ---	N. Y. O. & W., ---	117,220	35,564	3,148	155,932	211	438	2	4	31,250	26,200	4,250	
John J. Richme in No. 3, **	Lackawanna, ---	N. Y. O. & W., ---	54,728	17,798	4,071	76,597	217	267	1	1	99,375	35,800	4,250	
Total, ---			171,948	53,362	7,219	232,529	---	705	3	5	130,625	62,000	4,250	

†Coal prepared at Mount Jessup No. 1 breaker.

**Breaker abandoned August 1, 1921; coal now prepared at Johnson breaker.

Spencer Coal Co.	Lackawanna, -----	Erie, -----	45,471	1,500	10,898	57,869	276	170	1	1	3,750	17,200	2,650
Scranton Anthracite Coal Co.	-----	-----	-----	-----	146	10,229	289	42	-----	-----	1,750	1,750	3,500
Blakely, (a) -----	Lackawanna, -----	N. Y. O. & W., -----	10,063	-----	-----	-----	-----	-----	1	1	-----	-----	-----
Grand total, -----	-----	-----	-----	3,658,942	295,849	78,001	4,032,792	-----	7,324	19	43 ¹	3,664,010	292,043

¹Disability 60 days or more.

(a) Coal prepared at Lackawanna breaker, 1st District.

SEVENTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	Permissible
Glen Alden Coal Co.													
Taylor, -----	Lackawanna, -----	D. L. & W., --	553,663	58,634	11,088	623,385	241	996	2	5	439,575	54,384	16,500
Fyne, -----	Lackawanna, -----	D. L. & W., --	468,778	44,416	4,696	517,890	292	790	3	7	456,025	23,796	1,500
Hallstead, -----	Luzerne, -----	D. L. & W., --	172,124	27,686	3,590	203,350	288	354	1	4	9,000	1,875	160,825
Total, -----			1,194,565	130,686	19,374	1,344,625		2,140	6	16	904,600	80,005	178,825
Hillside Coal & Iron Co.													
Consolidated, -----	Luzerne, -----	Erie, -----	108,151	6,358	10,588	125,097	278	266	1	-----	102,225	-----	7,531
Jermyn & Co.													
Jermyn, -----	Lackawanna, -----	{Erie & D. L. & W., }	48,196	8,875	2,732	59,803	43	878	-----	3	43,750	43,000	-----
Old Forge, Central, -----	Luzerne, -----	Erie, -----	432,261	49,276	33	481,570	247	1,326	7	4	240,300	16,550	126,122
		Erie, -----	233,456	21,955	7,969	263,380	264	670	1	2	233,725	-----	26,959
Total, -----			665,717	71,231	8,002	744,950	-----	1,996	8	6	474,025	16,550	153,081
Suffolk Coal Co.													
Avoca, -----	Luzerne, -----	D. & H., -----	117,129	3,740	4,593	125,462	170	450	-----	4	3,000	2,875	50,280
Grand total, -----			2,133,758	220,890	45,289	2,389,937		5,730	15	291	1,527,600	142,430	389,717

¹Disability 60 days or more.
Note—Dennington Coal Co. Washery and Scranton-Taylor Coal Co. Washery idle during the year.

EIGHTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em- ployes	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	Permissible
Hillside Coal & Iron Co. Butler, -----	Luzerne, -----	Erie, -----	620,673	48,622	8,360	677,685	261	1,580	4	3	489,675	62,828	187,110
Hudson Coal Co. Latia,* -----	Luzerne, -----	D. & H., -----	303,082	10,953	1,401	315,436	279	538	4	1	162,400	62,828	77,186
Pennsylvania Coal Co. Number 9 ----- Ewen, ----- Number 6, ----- Number 14, ----- Barnum, -----	Luzerne, ----- Luzerne, ----- Luzerne, ----- Luzerne, ----- Luzerne, -----	Erie, ----- Erie, ----- Erie, ----- Erie, ----- Erie, -----	607,155 604,250 401,765 689,244 121,250	56,806 32,980 36,222 59,695 18,953	12,313 632 12,279 8,281 3,323	676,274 637,862 450,266 757,290 143,531	279 268 253 263 205	1,650 1,697 1,398 1,959 403	1	4	455,575 486,550 419,150 598,275 46,975	25,640 10,750 10,800 5,945 4,848	153,510 124,160 126,787 198,562 11,125
Total, -----	-----	-----	2,423,664	204,656	36,833	2,665,152	-----	7,107	14	22	2,001,525	57,983	614,084
Quinn Coal Co. Pickaway, -----	Luzerne, -----	L. V., -----	8,188	-----	-----	8,188	105	87	-----	-----	2,365	1,050	2,600
Grand total, -----	-----	-----	3,355,607	264,281	46,624	3,666,462	-----	9,312	22	26 ¹	2,655,965	121,861	880,980

*Coal prepared at Pine Ridge breaker, 10th District.

¹Disability 60 days or more.

MINIY DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employes	Fatal accidents	Em-ployes	Explosives used—pounds		
											Serious non-fatal accidents	Black powder	Dynamite
Lehigh Valley Coal Co.													
Stevens, **	Luzerne, -	L. V., -	310,363	100,787	26,351	437,501	265	720	2	4	67,550	244,375	
Exeter, -	Luzerne, -	L. V., -	179,368	21,902	5,519	206,789	257	345	2	3	3,675	184,050	
Westmoreland, -	Luzerne, -	L. V., -	275,241	49,257	7,871	332,869	265	581	5	4	105,700	181,075	
Maltby, -	Luzerne, -	L. V., -	41,518	-	3,737	45,255	267	79	-	-	62,950	8,650	
Broadwell, +	Lackawanna, -	D. & H. and	142,045	55,922	3,617	201,584	270	388	2	1	53,075	50,275	
Heidelberg, -	Luzerne, -	L. V., -	174,383	57,352	22,486	254,221	270	582	1	3	166,800	100,800	
Seneca, -	Luzerne, -	L. V., -	118,439	21,111	9,123	148,673	268	322	1	3	24,575	118,625	
William A., +	Lackawanna, -		1,241,357	306,331	78,704	1,626,392		3,019	11	18	494,325	887,850	
Total, -													
Temple Coal Co.													
Forty Fort, -	Luzerne, -	L. V., & W., { D. L. V., -	228,120	37,917	4,801	270,888	265	505	-	5	55,400	159,668	
Harry E., -	Luzerne, -	L. V., -	177,735	40,047	4,703	222,485	198	468	2	3	76,000	144,250	
Total, -			405,855	77,964	9,504	493,323		973	2	8	131,400	308,918	
Kingston Coal Co.													
Kingston No. 4, -	Luzerne, -	L. V. & W., { D. L. V., -	288,487	43,000	5,012	336,499	289 { 329	819	3	12	189,475	10,547	
Kingston Washery, -	Luzerne, -	L. V. & W., { D. L. V., -	1,789	-	-	1,789	-	-	-	-	-	-	
Total, -			290,276	43,000	5,012	338,288		819	3	12	189,475	10,547	16,708
Mount Lookout Coal Co.													
Mount Lookout, -	Luzerne, -	L. V., & W., { D. L. V., -	130,669	29,543	3,918	164,130	156	433	1	3	29,250	137,100	
Harris-Denly Coal Co.													
Kintz, -	Luzerne, -	Truck to D. L. & W., L. V., -	24,000	1,200	4,091	29,291	265	81	-	-	-	20,000	

**Middle since Febuary, 1891.
†Coal prepared at Seneca breaker.

Healey Coal Co.	Luzerne, ---	L. V., ---	21,341	21,341	265	49	3,000	9,800
Troy, ***	Luzerne, ---	L. V., ---	21,341	21,341	265	49	3,000	9,800
John Ames Coal Co.	Luzerne, ---	L. V., ---	7,385	7,385	40	44	31	31
Phoenix Washery, ---	Luzerne, ---	L. V., ---	7,385	7,385	40	44	31	31
John Fib Coal Co.	Luzerne, ---	L. V., ---	3,082	3,082	45	50	30	30
Wyoming Washery, ---	Luzerne, ---	L. V., ---	3,082	3,082	45	50	30	30
Grand total, ---	2,123,968	458,123	101,229	2,683,320	5,448	17	411	847,450
								1,369,215
								16,708

¹Disability 60 days or more.
**Coal prepared at Wyoming Washery.

TENTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	Permissible
Central Coal Co.	Wyoming, -----	D. & H., -----	65,950	1,350	859	68,159	281	158	-----	-----	85,662	5,412	13,067
John Conlon	Luzerne, -----	D. & H., -----	55,890	200	3,902	59,992	289	130	1	-----	32,450	14,250	1,000
East Boston Coal Co.	East Boston, -----	{D. L. & W., L. V. Penna. D. & H., -----}	105,035	45,625	3,872	154,532	250	416	1	5	1,402	8,474	30,751
Glen Alden Coal Co.	Luzerne, -----	D. L. & W., -----	611,628	57,995	10,243	679,836	295	946	4	17	302,125	59,612	166,369
Haddock Mining Co.	Black Diamond, -----	L. V. & D. L. & W., -----	141,743	14,600	4,571	160,914	250	373	1	6	43,750	38,350	29,300
Healey Coal Co.	Miners Mills, -----	L. V., -----	24,456	2,200	682	27,338	243	99	1	2	21,000	2,500	-----
Hudson Coal Co.	Pine Ridge, -----	D. & H., -----	892,595	76,037	11,560	980,192	384 { 633 #}	1,184	8	16 { 8 { #}	625,850	174,156	309,734
	Delaware, -----	D. & H., -----	739	45,067	-----	45,806	284	-----	2	-----	-----	-----	-----
	Pine Ridge Washery, -----	D. & H., -----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total,	-----	-----	893,334	121,104	11,560	1,025,998	1,837	10	24	635,850	174,156	309,734	-----

Included with Pine Ridge Colliery.

†Coal prepared at Pine Ridge breaker.

††Coal prepared at Prospect breaker, 11th District.

Lehigh Valley Coal Co.	Luzerne, -----	L. V., -----	388,010	75,871	7,615	471,496	284	740	6	173,575	246,870	6,025	
Henry, + Mineral Spring, -----	Luzerne, -----	L. V., -----	264,276	30,282	5,998	300,556	274	307	2	30,050	213,550	-----	
Total, -----	-----	-----	652,286	106,153	13,613	772,052	-----	1,247	2	6	203,625	460,420	6,025
Raub Coal Co.	Luzerne, -----	L. V., -----	54,971	2,000	8,915	65,886	197	266	-----	1	625	17,375	29,000
Louise, -----	Ridgewood, -----	{C. R. R. of N. }J. Erie, -----	54,776	1,328	745	56,849	115	386	1	3	60,000	18,000	7,000
Traders Coal Co.	Luzerne, -----	{D. L. & W. }D. & H., -----	166,902	1,324	2,223	170,449	278	575	-----	5	187,700	55,298	-----
Wilkes-Barre Colliery Co.	Madeira, -----	Grand total, -----	2,826,971	353,879	61,185	3,242,035	-----	6,233	21	691,1,564,189	853,847	592,246	-----

¹Disability 60 days or more.

ELEVENTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	Permissible
Hillman Coal Co., Hillman, -	Luzerne, -	L. V., -	71,273	21,900	1,460	94,638	251	246	1	2	76,150	12,522	9,353
Hudson Coal Co., Baltimore No. 5, -	Luzerne, -	D. & H., -	841,916	102,108	18,701	962,725	299	1,826	9	23	282,650	45,675	377,228
Lehigh & Wilkes-Barre Coal Co., Hollenback No. 2, -	Luzerne, -	C. N. R. R. of C. N. J., -	215,250	35,974	75,697	326,921	290	583	2	4	141,325	42,239	136,700
South Wilkes-Barre No. 5, -	Luzerne, -	C. N. R. R. of C. N. J., -	326,865	40,537	112,126	479,528	290	978	2	11	59,300	38,944	228,312
Stanton No. 7, -	Luzerne, -	C. N. R. R. of C. N. J., -	734,048	55,437	22,385	811,870	296	1,482	7	22	316,400	32,795	301,275
Empire Washery, -	Luzerne, -	C. N. R. R. of C. N. J., -	1,276,163	131,948	210,208	1,618,319	-	3,043	11	37	517,025	113,978	666,287
Total, -	-	-	1,314,059	131,948	9,755	219,963	1,665,970	-	152	45	-	1	-
Lehigh Valley Coal Co., Dorrance, -	Luzerne, -	L. V., -	449,404	71,478	48,626	569,508	283	857	6	17	284,450	180,396	-
Prospect, -	Luzerne, -	L. V., -	292,327	58,730	11,224	362,281	284	755	4	12	182,950	109,050	30,575
Total, -	-	-	741,731	130,208	59,850	931,789	-	1,612	10	29	467,400	289,446	30,575
Red Ash Coal Co., Red Ash No. 2, @	Luzerne, -	C. N. R. R. of C. N. J., -	40,584	13,157	1,068	54,809	121	250	-	4	13,250	12,150	10,325
Grand total, -	-	-	3,009,563	309,321	301,042	3,709,926	-	7,022	31	961	1,356,475	473,771	1,093,768

¹Disability 60 days or more.
②@Red Ash No. 2 Slope idle on account of mine fire; stripping and Red Ash No. 1 Slope in operation.

Operators and collieries	County	Explosives used—pounds											
		Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em-ployees	Fatal accidents	Non-fatal accidents	Black powder	Dynamite	Permissible
Glen Alden Coal Co.	Luzerne, Luzerne, Luzerne, x	D. L. & W., D. L. & W., D. L. & W.	1,141,687 24,157	77,229 13,036	10,790	1,224,706 37,213	289 289 345	1,767 xx 34	6	40	605,425	48,940	311,240
Total,			1,165,844	90,285	10,790	1,266,919		1,801	6	40	605,425	48,940	311,240
Hudson Coal Co.	Luzerne, Luzerne, Total,	D. & H., D. & H.,	1,458,036 3,744	88,021 29,729	43,544	33,473	292	#					
Loree No. 5, Loree Washery,			1,402,180	117,750	43,544	1,623,674 1,590,201	292	2,433 2,443	9	19	1,044,475 1,044,475	112,905 112,905	53,624
C. R. R. of N. J.			7,625	275	152	8,652	55	44					
[D. L. & W. L. V., D. & H., R. of Penna.]			332,122	19,000	31,813	382,035	282	885	1	3	202,375	4,911	2,545
Kingston Coal Co. No. 2, Kingston No. 15, Total,	Luzerne, Luzerne, Layford, Total,	[O. R. of N. J., D. L. & W., D. & H., C. R. of N. J.,] [Penna., C. R. of N. J.,]	98,292	17,000	2,862	118,154	282	223	1	2	15,000	15,175	
Inter-City Fuel Co., Inc.	Plymouth Company Washery		430,414	36,000	34,675	501,089		1,208	2	5	217,375	20,086	2,545
Lehigh & Wilkes-Barre Coal Co.	Luzerne, Total,	C. R. R. of N. J., C. R. R. of N. J.,	412,826 528,052	47,598 54,151	19,768 42,24	480,692 629,407	295 306	912 1,058	8	16	371,875	15,740	54,075
Lance No. 11, Nottingham No. 15, Total,	Luzerne, Luzerne, Total,		916,378	101,749	61,972	1,110,099		1,970	10	25	264,275	24,082	5,775
Plymouth Red Ash Coal Co. Plymouth Red Ash, Grand total,	Luzerne, Grand total,	D. L. & W.,	13,555	167	3,639	17,361	298	40			3,300	100	59,250
			4,026,196	346,226	154,772	597,194		7,506	27	891	2,506,725	221,853	427,259

x Furnishes power for Woodward Colliery. x included with Woodward Colliery. # Included with Loree No. 5, Colliery. 1 Disability 60 days or more.

THIRTEENTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons sold locally	Total production (gross tons)	Days worked	Em- ployees	Fatal accidents	Explosives used—pounds		
									Black powder	Dyna- mite	Permissible
Glen Alden Coal Co.											
Loomis, -----			738,590	53,849	708,749	287	1,019	4	5	17,700	496,300
Truesdale, -----			1,397,805	128,013	1,533,152	287	2,122	9	7	350,700	101,973
Avondale, -----			203,405	35,481	242,668	289	488	-----	2	30,950	8,510
** -----			63,664	19,079	82,743	-----	-----	-----	-----	-----	61,775
Total, -----			2,408,464	230,422	2,657,312	-----	3,629	13	14	399,350	606,785
George F. Lee Coal Co.											
Chauncey, -----			96,897	-----	98,285	223	296	2	3	4,600	15,562
Luzerne, -----			D. L. & W., -----								350
Luzerne, -----			L. V., -----		7,730	277	634	4	4	36,200	215,600
Luzerne, -----			L. V., -----		48,441	415,566	155	1	2	500	33,050
Luzerne, -----			Luzerne, -----		12,091	95,284	-----	-----	-----	-----	-----
Total, -----			441,968	60,532	510,800	-----	789	5	6	36,700	248,650
Lehigh & Wilkes-Barre Coal Co.											
Sugar Notch No. 9, -----			C. N. J. R. of C. N. J., -----	23,976	4,770	423,401	279	852	2	6	5,100
Luzerne, -----			C. N. J. R. of C. N. J., -----	394,655	527,814	588,961	294	1,079	6	13	87,025
Luzerne, -----			C. N. J. R. of C. N. J., -----	40,308	39,653	2,118	277,577	294	-----	3	2,675
Buttonwood No. 22, -----			-----	235,806	1,158,275	103,937	1,284,939	2,563	8	22	94,800
Total, -----			-----	-----	22,727	1,284,939	-----	-----	-----	-----	45,165
Pittston Coal Mining Co.											
Hadleigh, -----			C. N. J., -----	15,500	900	134,446	265	273	-----	2	42,000
Luzerne, -----			Penna, -----	682	-----	32,721	119	171	-----	1	*3,525
West Nanticoke Coal Co.			-----	417,073	50,751	4,718,503	-----	-----	-----	5,005	780
West Nanticoke, -----			-----	4,250,679	-----	-----	7,721	28	481	538,975	963,167
Grand total, -----			-----	-----	-----	-----	-----	-----	-----	-----	1,409,911

**Coal from culm bank prepared at Avondale breaker.

*Coal prepared at Prospect breaker, 11th District.

1Disability 60 days or more.

FOURTEENTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	
Alden Coal Co.													
Alden,	Luzerne,	C. N. R. R. of N. J.,	307,213	23,211	7,061	337,485	253	700	3	1	111,000		
East Alden,	Luzerne,	L. V.,	37,290	148	-	37,438	212	58	-	-	-	500	
Glen Alden Coal Co.													
Auchincloss,†	Luzerne,	D. L. & W.,	312,167	19,303	5,213	331,470	287	501	1	8	2,025	216,625	
Bliss,	Luzerne,	D. L. & W.,	588,463	52,625	-	646,301	287	902	3	8	50,178	266,200	
Total,			900,630	71,928	5,213	977,771	-	-	1,403	3	9	90,950	52,203
Lehigh & Wilkes-Barre Coal Co.													
Wanamie No. 18,	Luzerne,	C. N. R. R. of N. J.,	612,882	34,120	6,115	653,117	292	1,164	4	9	47,125	58,635	
Wanamie Washery,	Luzerne,	C. N. R. R. of N. J.,	137,161	-	15,157	152,318	227	68	-	-	-	-	
Total,			750,043	34,120	21,272	805,435	-	-	1,232	4	9	47,125	58,635
Stackhouse Coal Co., E. S.													
Salem,	Luzerne,	D. L. & W.,	37,968	710	1,178	39,846	204	189	-	-	7,875	10,310	
Susquehanna Collieries Co.													
Number 5,	Luzerne,	Penna.,	# 422,984	18,852	8,024	449,860	258	1,279	5	4	206,725	31,011	
Number 6,	Luzerne,	Penna.,	452,611	42,941	5,317	500,869	260	1,013	3	6	95,950	152,738	
Number 7,	Luzerne,	Penna.,	# 384,975	33,504	16,461	434,940	269	1,064	8	4	-	-	
Nanticoke Washery,	Luzerne,	Penna.,	1,260,570	95,297	29,802	1,385,669	202,112	263	3,356	16	14	302,675	183,749
Total,			# 99,358	102,754	-	-	-	57	-	-	-	-	123,547
West End Coal Co.													
West End,	Luzerne,	Penna. & C. R. R. of N. J.,	498,372	15,052	6,887	570,311	247	996	2	2	7,225	53,675	
Grand total,			3,891,434	348,220	71,413	4,300,067	-	-	8,081	28	351	566,830	359,072

47,704 tons stocked at collieries and not yet shipped. †Coal prepared at Loomis breaker, 13th District. †Disability 60 days or more.

FIFTEENTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds	
										Black powder	Dynamite
Coxe Brothers & Co., Inc.,											
Drifton, -----		L. V., -----	290,764	108,108	414,301	290	664	1	5	835	150,357
Fickley, *-----		L. V., -----	284,878	28,934	328,407	295	327	1	2	-----	72,004
Derlinger, ***-----		L. V., -----	347,959	1,878	364,107	294	699	9	2	-----	328,061
Total, -----			923,601	138,920	44,294	1,106,815		1,690	11	9	835
											550,412
C. R. R. of N. J., -----				234	495	14,453	107	135			3,020
Luzerne, -----		L. V., -----	13,724								7,938
Luzerne, -----		L. V., -----	188,766	46,651	242,512	299	590	1	3	-----	1,192
Luzerne, -----		L. V., -----	252,100	30,500	282,757	297	501	2	2	-----	1,622
Luzerne, -----		L. V., -----	353,505	43,801	404,913	289	1,065	4	10	-----	3,345
Luzerne, -----		L. V., -----	175,050	14,250	197,832	288	351	1	3	-----	698
Total, -----			969,421	135,202	23,391	1,128,014		2,507	8	18	25
											6,857
C. R. R. of N. J., -----											
Luzerne, -----		L. V., -----	66,016	2,906	1,154	70,070	287	152			9,605
Jeddo-Highland Coal Co. **											4,400
Highland No. 2, -----											
Highland No. 5, -----											
Jeddo No. 4, -----											
Jeddo No. 7, -----											
Total, -----											
Kemmerer & Co., M. S.											
Sandy Run, -----											
Lehigh Valley Coal Co.											
Hazleton No. 1, -----											
Hazleton Shaft, -----											
Total, -----											
Pardee Brothers & Co., Inc.											
Lattimer, -----											
Luzerne, -----		L. V., -----	499,143	64,000	11,661	574,804	288	1,077	1	4	441,972

*Coal prepared at Drifton and Hazleton Shaft breakers.

**Formerly G. B. Markle Co.

***Coal prepared at Hazleton Shaft breaker, Lehigh Valley Coal Co.

Upper Lehigh Coal Co.	Luzerne, -----	C. N. R. R. of J., -----	131,021	12,433	1,668	145,122	272	294	1	97,890
Upper Lehigh, -----										
J. S. Wentz Co.	Luzerne, -----	L. V., -----	36,217	21,853	692	118,762	258	185	1	28,879
Haze Brook, -----										
Wolf Collieries Co., Inc.	Luzerne, -----	L. V., -----	40,401	3,269		43,670	286	88	1	20,875
Wolf, -----										
Grand total, -----			3,167,252	489,905	145,921	3,803,078	24	421	910	1,493,416
										12,238

¹Disability 60 days or more.

SIXTEENTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	Permissible
Beaver Valley Coal Co.	Columbia, -----	Penna., -----	35,592	5,730	271	41,593	224	168	-	3	7,750	11,050	6,450
Scotch Valley, -----	P. & R., -----	P. & R., -----	28,207	-	-	28,207	228	25	-	-	-	-	-
Campion Coal Co.	Schuylkill, -----	L. V., -----	290,454	26,537	7,515	324,506	293	461	-	7	-	166,050	-
Silver Brook Washery, -----	Carbon, -----	L. V., -----	266,606	21,261	22,208	310,075	290	536	-	3	-	164,214	-
Coxe Brothers & Co., Inc.	Schuylkill, -----	Total, -----	557,060	47,798	29,723	634,581	-	-	997	10	-	330,264	-
Beaver Meadow, -----	L. V., -----	L. V., -----	604,428	34,307	264,602	903,337	287	1,343	6	12	2,350	348,210	25,508
Oneida, †	Luzerne, -----	I. V., & C. R. R. of N. J., -----	253,287	15,940	2,371	271,598	295	504	1	8	2,000	116,000	-
Charles M. Dodson & Co.	Carbon, -----	L. V., -----	35,033	600	623	36,286	189	124	-	-	-	2,900	28,200
Beaver Brook, -----	Luzerne, -----	L. V., -----	65,819	1,200	29,580	96,599	287	386	1	3	-	59,250	-
Evans Colliery Co.	C. R. R. of N. J., -----	C. R. R. of N. J., -----	345,799	46,070	7,298	399,167	284	775	1	14	8,850	199,570	3,035
Harwood Coal Co.	Harwood, -----	C. R. R. of N. J., -----	235,220	25,274	-	260,494	263	579	-	5	22,050	118,530	100
Lehigh & Wilkes-Barre Coal Co.	Schuylkill, -----	Schuylkill, -----	581,019	71,344	7,298	659,661	-	1,354	1	19	30,900	318,100	3,135
Audenried No. 4,*	Honey Brook No. 5, -----	Total, -----	-	-	-	-	-	-	-	-	-	-	-

*Slopes Nos. 21 and 23 in Carbon County; no production.

†Coal prepared at Spring Mountain breaker.

Lehigh Valley Coal Co.	Luzerne,	L. V.,	211,420	82,382	7,370	276	485	2	2	97,450
Spring Mountain, [†]	Carbon,	L. V.,	9,679		627	10,172	57			42,922
Spring Brook, ^{††}	Carbon,	L. V.,				10,206	153			
Spring Brook Washery, -	Carbon,	L. V.,								
Total, -										
Thomas R. Rees & Son	C. R. R. of N. J.,	177								
Dusky Diamond, [†]	Luzerne,									
Van Winkle Estate, A. S.	Carbon,	P. & R., L. V. of C. R. R. of N. J.,	115,534	53,931	2,157	171,622	299	385		
Coleraine, -										
Grand total. -			2,497,285	313,232	344,552	3,155,069				

¹Disability 60 days or more.

[†]Abandoned April 1, 1921.

^{††}Coal prepared at Spring Mountain breaker.

SEVENTEENTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Explosives used—pounds		
									Fatal accidents	Serious non-fatal accidents	Black powder
Lehigh Coal & Navigation Co.	Carbon, -----	{ C. R. R. of N. E. J. L. & N. E.	710,292	14,154	10,304	734,750	260	1,484	5	16	104,550
Nesquehoning, -----	Carbon, -----	{ C. R. R. of N. E. J. L. & N. E.	735,026	24,652	16,528	836,206	259	1,820	4	29	-----
Lansford, -----	Carbon, -----	{ C. R. R. of N. E. J. L. & N. E.	649,262	67,729	17,670	734,661	258	1,490	4	18	31,275
Coaldale, *	{ Carbon, ----- Schuylkill, -----	{ C. R. R. of N. E. J. L. & N. E.	414,951	47,659	-----	462,610	258	842	1	10	-----
Greenwood, -----	Schuylkill, -----	{ C. R. R. of N. E. J. L. & N. E.	424,442	7,273	6,423	438,188	260	866	8	21	-----
Rahn, -----	Schuylkill, -----	{ C. R. R. of N. E. J. L. & N. E.	5,933,973	221,467	50,925	3,206,365	-----	6,502	22	94	135,825
											1,571,278
Hauto Washery, -----	Carbon, -----	{ C. R. R. of N. E. J. L. & N. E.	35,327	678	5,083	41,088	46	-----	-----	-----	-----
Ashton Washery, -----	Carbon, -----	{ C. R. R. of N. E. J. L. & N. E.	3,098	720	651	4,469	-----	-----	-----	-----	-----
Total, -----	-----	-----	38,425	1,398	5,734	45,557	-----	-----	-----	6,502	22
Grand total, -----	-----	-----	2,972,398	222,865	56,659	3,251,922	-----	-----	94 ¹	135,825	1,571,278
											381,246

*Breaker destroyed by fire May 12, 1921; coal prepared at Ashton Washery.

¹Disability 60 days or more.

EIGHTEENTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Serious non-fatal accidents		Explosives used—pounds	
									Fatal accidents	Black powder	Dynamite	Permissible
Alliance Coal Mining Co.	Schuylkill, ---	P. & R., ---	144,928	28,826	1,300	174,561	282	526	6	4	45,000	90,000
Alliance, ---											9,975	
Bergen Coal Co.	Schuylkill, ---	Auto to P. & R.	17,750	1,075	6,421	25,246	275	58				
Bergen, ---												
East Lehigh Coal Co.	Schuylkill, ---	{L. & N. E. P. & R., ---}	35,097	1,440	5,262	41,761	147	169			31,000	700
East Lehigh,* ---												
Gorman & Campion Coal Co.	Schuylkill, ---	P. & R., ---	46,270	3,600	2,307	52,177	288	100				15,000
Bell, ---												
Hudson Coal Co.	Schuylkill, ---	P. & R., ---							13			
Milford,† ---												
Lehigh Coal & Navigation Co.	Schuylkill, ---	L. & N. E., ---	373,249	51,012	1,793	426,074	266	795	3	6	204,865	44,810
Tamaqua, ---												
Lehigh Valley Coal Co.	Schuylkill, ---	L. V., ---	353,085	47,413	1,261	404,759	294	640	1	10	25	34,689
Buck Mountain, ---												256,202
Maryd Coal Co.	Schuylkill, ---	{C. R. R. of N. J., --- P. & R., ---}	228,676	45,913	2,502	277,061	274	431	3	10		150,567
Maryd, ---												
Mill Creek Coal Co.	Schuylkill, ---	{L. V., --- Penn., ---}	152,772	2,246	1,557	150,575	287	362	1	3		95,750
Morea, ---			33,338	21,625	55,422	258	123	1	2		32,747	
Middle Lehigh, ---			43,148	4,795	47,943	284	93				45,779	
Wolfe Creek, ---												
Total, ---			229,308	28,666	1,986	250,960	578	2	5	400	174,276	

†Old mine reopened.

*Abandoned June 1921.

EIGHTEENTH DISTRICT, 1921—Concluded

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	Permissible
P. & R. Coal & Iron Co.													
Silver Creek, -----	P. & R., -----	431,982	45,572	4,984	482,538	287	876	4	14	295,962	-----	-----	
Wadesville, -----	P. & R., -----	321,279	59,012	16,240	396,531	291	978	1	21	42,682	124,443	-----	
Eagle Hill, -----	P. & R., -----	317,509	58,470	7,265	383,244	281	784	4	19	146,415	80,056	-----	
Beevestdale, -----	P. & R., -----	89,846	7,160	24	97,030	105	209	1	2	27,090	7,925	-----	
Pine Forest, -----	P. & R., -----	62,971	2,704	13	65,688	74	141	1	1	975	800	-----	
Schuykill Washery, -----	P. & R., -----	1,223,587	172,918	28,526	1,425,031	45	2,988	10	57	513,124	213,223	-----	
Total, -----	P. & R., -----	34,880	950	-----	35,830	162	-----	175	-----	-----	-----	-----	
St. Clair Coal Co.	P. & R., -----	1,258,467	173,868	28,526	1,460,861	-----	3,150	10	57	513,299	213,223	-----	
Schuykill Valley Coal Co.	P. & R., -----	168,011	87,000 ²	10,800	265,811	257	650	1	3	69,400	202,151	-----	
Progressive, ³ -----	P. & R., -----	21,818	903	6,081	28,802	188	111	-----	2	-----	8,175	-----	
Thouron Coal Co.	P. & R., -----	13,544	-----	-----	13,544	99	22	-----	-----	-----	-----	-----	
Thouron Washery, ⁴ -----	P. & R., -----	2,893,203	469,216	68,239	3,430,658	-----	7,243	26	98 ¹	73,800	1,223,430	770,502	
Grand total, -----													

¹ Disability 60 days or more.² 75,000 tons stored at colliery.³ Formerly Lucy R., Port Carbon Coal Co.⁴ New operation.

NINETEENTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine		Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em- ployees	Fatal acci- dents	Serious non-fatal acci- dents	Explosives used—pounds	
		Black	powder									Black	Dyna- mite
Black Heath Coal Co.	Black Heath, -----			8,400	-----	125	8,525	288	20	-----	-----	2,505	-----
Buck Run Coal Co.	Buck Run, -----	P. & R., -----		242,732	33,050	2,891	278,673	291	542	6	10	110,204	74,108
Butcher Creek Co.	Laurel Run, -----	P. & R., -----		9,663	1,210	19	10,892	242	27	-----	-----	900	-----
Darkwater Coal Co.	Schuykill, -----	Penna., -----		162,032	26,000	899	188,931	272	350	2	3	52,147	1,500
New Castle, -----	Schuykill, -----	P. & R., -----		14,987	325	-----	15,312	64	45	-----	-----	-----	-----
Gardner Coal Co.	Gardner Washery, -----	P. & R., -----		9,773	125	14	9,912	31	43	-----	-----	-----	-----
Inter-City Fuel Co., Inc.	Schuykill, -----	P. & R., -----		54,252	4,418	-----	306,349	276	666	9	9	58,648	112,387
Lytle Coal Co.	Schuykill, -----	{Penna., ----- {P. & R., -----}		247,672 10,468	745	-----	11,213	59	32	-----	-----	58,648	112,387
Lytle, -----	Schuykill, -----			258,140	54,997	-----	317,555	-----	698	9	9	58,648	112,387
Total, -----				4,418	-----	-----	-----	-----	-----	-----	-----	23,300	97,575
Oak Hill Coal Co.	Schuykill, -----	P. & R., -----		166,452	9,600	428	176,475	287	883	3	10	-----	-----
Oak Hill, -----				-----	-----	-----	-----	-----	-----	-----	-----	23,300	97,575

NINETEENTH DISTRICT, 1921—Concluded

Operators and collieries	County	Railroad to mine		Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds			
		Black powder	Dynamite									Dynamite	Permissible		
P. & R. Coal & Iron Co.															
Otto, -----	Schuylkill, -----	P. & R., -----	201,834	90,235	1,789	293,858	291	656	2	9	50	34,625	57,125		
Phoenix Park, -----	Schuylkill, -----	P. & R., -----	216,808	53,093	1,900	271,867	290	521	4	11	-----	11,477	128,854		
John Veith, * -----	Schuylkill, -----	P. & R., -----	52,419	-----	-----	52,419	291	78	-----	2	-----	125	16,300		
Pine Knot, -----	Schuylkill, -----	P. & R., -----	209,849	49,792	13,784	273,425	291	480	2	8	-----	96,560	66,378		
Glendower, -----	Schuylkill, -----	P. & R., -----	188,354	18,623	-----	206,977	291	370	1	6	-----	107,427	7,187		
Thomaston, ** -----	Schuylkill, -----	P. & R., -----	-----	19,655	-----	19,655	291	166	-----	2	-----	304	304		
Anchor Washery, -----	Schuylkill, -----	P. & R., -----	869,264	231,404	17,533	1,118,201	17,050	41	2,271	9	38	50	250,214	275,214	
Total, -----	Schuylkill, -----	P. & R., -----	15,726	1,324	-----	1,135,251	17,728	72	-----	-----	-----	1,067	1,067	12	
Pine Hill Coal Co.	Penna., -----	Penna., -----	884,990	232,728	17,533	1,135,251	1,135,251	2,313	9	38	50	251,281	275,226		
Pine Hill, -----	Schuylkill, -----	P. & R., -----	259,362	43,800	1,640	304,802	276	746	-----	16	250	29,000	38,100		
Sherman Coal Corporation	Schuylkill, -----	P. & R., -----	23,148	-----	-----	23,148	274	76	-----	-----	-----	9,279	500		
Sherman, -----	Schuylkill, -----	L. V., -----	27,984	10	1,860	29,794	129	23	-----	-----	-----	-----	-----		
York Farm Coal Co.	Schuylkill, -----	-----	2,067,663	401,845	29,762	2,469,270	2,469,270	5,246	29	861	300	536,364	660,256		
Grand total, -----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	

¹Disability 60 days or more.

*Coal prepared at Otto breaker.

**Coal prepared at Pine Knot breaker.

TWENTIETH DISTRICT, 1921

**Coal prepared at Saint Nicholas breaker.
**Coal prepared at ~~Saint Nicholas~~ breaker.

• Coal prepared at Ellington, W. Va. breaker.
1 Disability 60 days or more.

TWENTY-FIRST DISTRICT, 1921

County		Operators and collieries		Railroad to mine		Tons shipped to market		Tons used at collieries		Tons sold locally		Total production (gross tons)		Days worked		Employees		Fatal accidents		Serious non-fatal accidents		Explosives used—pounds		
Cambridge, - - - - -	P. & R., - - - - -	Schuykill, - - - - -	P. & R., - - - - -	6,766	3,640	617	11,023	182	48											9,000				
Lehigh Valley Coal Co.		Schuykill, - - - - -	L. V., - - - - -	216,905	17,619			234,524												122,675				
Packer No. 2, - - - - -		Schuykill, - - - - -	L. V., - - - - -	131,495				131,495	291											24,225				
Packer No. 3, - - - - -		Schuykill, - - - - -	L. V., - - - - -	173,563	76,639			252,622												88,450				
Packer No. 4, - - - - -		Schuykill, - - - - -	L. V., - - - - -	503,509	66,545			373,705												246,293				
Packer No. 5, - - - - -																								
Total, - - - - -				1,025,462	160,803			6,081	1,192,346										4	18	12	481,643		
Locust Mountain Coal Co.		Schuykill, - - - - -	L. V., - - - - -	580,457	6,955	1,854		580,266											3	3	3	74,350	452,831	
P. & R. Coal & Iron Co.		Schuykill, - - - - -	P. & R., - - - - -	263,839	85,106	4,387		253,332											2	8	10	92,070	72,057	
Hammond, - - - - -		Schuykill, - - - - -	P. & R., - - - - -	177,879	20,936			198,815											2	2	5	112,429		
Indian Ridge, - - - - -		Schuykill, - - - - -	P. & R., - - - - -		12,804			12,804												5	5	41,794		
Kohinoor, - - - - -		Schuykill, - - - - -	P. & R., - - - - -	209,557	46,161	46,022		301,740											5	17	17	91,676	16,350	
Shenandoah City, - - - - -		Schuykill, - - - - -	P. & R., - - - - -					294											3	11	11	114,900		
Turkey Run, - - - - -		Schuykill, - - - - -	P. & R., - - - - -	623,086	64,029			687,115											591	10	10	50,312	26,375	
West Shenandoah, - - - - -																								
Plank Ridge Washery, - - - - -		Schuykill, - - - - -	P. & R., - - - - -	1,274,361	228,897	50,548		1,553,806											3,207	12	61	50	503,181	
Total, - - - - -				1,291,881	230,622	50,549		1,578,052										3,296	12	61	50	503,471	114,782	
Raven Run Coal Co.		Schuykill, - - - - -	P. & R., - - - - -	142,990	3,117	402		146,509										1	2,125	15,774	15,774	31,488		
Susquehanna Collieries Co.		Schuykill, - - - - -	Penna., - - - - -	202,061	35,763	1,987		239,811										235			484			
William Penn., - - - - -																						119,115		

× Production included with West Shenandoah Colliery.

Thomas Colliery Co.	Schuykill,	P. & R.,	280	373	3	22,275	30,950
Kehley Run,	Schuykill,	1,621	178,765	280	3	2,200	2,200
Black Creek	Schuykill No. 1,	35,246	39,194	36	1	150	150
Black Creek	Schuykill No. 2,	18,072	18,531	99	1		
	Total,	229,501	6,028	961	339	3	24,625
	Grand total,	3,479,118	446,928	62,451	3,988,497	22	76,537 1,603,459
						80	177,220

¹Disability 60 days or more.

TWENTY-SECOND DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Explosives used—pounds			
									Fatal accidents	Black powder	Dynamite	Permissible
East Bear Ridge Colliery Co. East Bear Ridge, - - - - -	Schuykill, - - - - -	P. & R., - - - - -	236,835	22,500	2,875	262,210	282	430	1	4	111,800	25,508
Harleigh-Brookwood Coal Co. Lawrence, - - - - -	Schuykill, - - - - -	P. & R. & Penna., - - - - -	331,481	52,214	-	383,695	288	759	1	8	213,658	25,508
Columbia, - - - - -	Columbia, - - - - -	L. V., - - - - -	417,426	62,304	6,250	485,980	290	753	1	2	325,877	257,974
Northumberland, - - - - -	Sayre, - - - - -	L. V., - - - - -	311,834	84,000	4,948	400,782	284	763	2	13	60	583,851
Columbia, - - - - -	Continental Washery, - - - - -	L. V., - - - - -	729,260	146,304	11,198	886,762	116	1,516	3	15	60	583,851
Total, - - - - -			819,416	147,964	11,198	978,578	-	1,551	3	15	60	583,851
Laurel Coal Mining Co. Bickel, - - - - -	Schuykill, - - - - -	P. & R., - - - - -	21,436	190	-	21,626	223	58	-	1	15,550	5,500
P. & R. Coal & Iron Co. Locust Gap, - - - - -	Northumberland, - - - - -	P. & R., - - - - -	506,367	90,155	2,309	598,831	291	390	1	12	169,480	1,350
Locust Spring, * - - - - -	Columbia, - - - - -	P. & R., - - - - -	299,225	42,205	11,722	353,152	292	777	8	19	151,557	34,987
Potts, - - - - -	Schuykill, - - - - -	P. & R., - - - - -	268,667	58,240	15,664	342,571	291	730	2	19	109,136	111,761
Bast, - - - - -	Schuykill, - - - - -	P. & R., - - - - -	193,068	70,447	6,875	270,410	292	652	2	17	187,825	32,387
Gilberton, - - - - -	Schuykill, - - - - -	P. & R., - - - - -	149,806	35,396	-	185,202	262	461	1	10	154,414	25
Draper, - - - - -	Schuykill, - - - - -	P. & R., - - - - -	104,144	45,768	-	149,912	292	351	2	5	119,738	900
Boston Run, - - - - -	Schuykill, - - - - -	P. & R., - - - - -	87,132	11,521	-	98,653	143	205	-	6	110,943	54,651
Bancroft, - - - - -	Schuykill, - - - - -	P. & R., - - - - -	-	-	-	-	-	-	-	-	-	-
Total, - - - - -			1,608,429	353,732	36,570	1,998,731	-	4,371	11	91	15,425	1,067,744
												181,410

*Coal prepared at Locust Gap breaker.

Repplier Coal Co.	Columbia, -----	P. & R., -----	45,055	282	15	45,352	101	53
Locust Run Washery, -----	-----	-----	-----	-----	-----	-----	-----	-----
Midvalley Coal Co.	Columbia, -----	L. V., -----	182,291	49,132	2,983	234,406	271	439
Midvalley, -----	-----	-----	-----	-----	-----	-----	-----	-----
Girardville Mining Co.	Schuykill, -----	P. & R., -----	97,189	32,941	-----	130,130	266	287
Girard, x x -----	-----	-----	-----	-----	-----	-----	-----	-----
Grand total, -----	-----	-----	3,342,132	658,955	53,641	4,054,728	130 ¹	18
							7,953	18
								75,817
								75,817
								8,388
								2,201,270
								249,656

¹Disability 60 days or more.
x Operated by W. R. McTurk Coal Co. previous to November, 1921.

TWENTY-THIRD DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employes	Fatal accidents	Explosives used—pounds			
										Serious non-fatal accidents	Black powder	Dynamite	Permissible
Susquehanna Collieries Co.													
Pennsylvania, -	Penna., -	Penna., -	345,076	65,444	5,463	415,983	269	834	2	13	52,467	210,275	
Richards, -	Penna., -	Penna., -	229,870	51,553	281,423	255	761	4	10	69,031	177,675		
Scott, -	Penna., -	Penna., -	315,513	68,999	6,361	390,873	267	785	6	17	57,825	197,375	
Hickory Ridge Washery, -													
Total, -	Penna., -	Penna., -	890,459	185,996	11,824	1,088,279	51	2,380	12	40	179,323	585,325	
P. & R. Coal & Iron Co.													
Alaska, -	P. & R., -	P. & R., -	296,840	36,160	40,406	332,000	290	879	1	21	450	227,820	14,902
Reliance, -	P. & R., -	P. & R., -	221,256	40,338	40,406	302,000	288	675	3	10	50	154,062	116,450
Total, -			518,096	76,498	40,406	635,000		1,554	4	31	500	391,882	131,352
Colonial Colliery Co.													
Natalie, -	P. & R., -	P. & R., -	306,994	25,285	1,341	333,620	274	639	2	1	1	63,500	176,800
Greenough Red Ash Coal Co.													
Greenough, -	Penna., -	Penna., -	197,031	30,295	2,515	229,841	276	487	2	2	2	75,202	55,010
Excelsior Coal Co.													
Corbin, -	P. & R., -	P. & R., -	190,000	12,000	600	202,600	270	303	3	1	1	9,300	3,900
Enterprise Coal Co.													
Enterprise, -	P. & R., -	P. & R., -	144,921	54,750	816	200,487	259	594	2	1	40,825	19,147	157,555
Shamokin Red Ash Coal Co.													
Washery, -	Penna., -	Penna., -	62,578	3,200		65,778	208	55					
Grand total, -			2,330,591	392,092	57,502	2,780,185		6,083	25	741	50,625	732,954	1,157,042

^Disability 60 days or more.

TWENTY-FOURTH DISTRICT, 1921

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em- ployes	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dyna- mite	Permissible
Buck Ridge Coal Mining Co.													
Buck Ridge,													
P. & R. Coal & Iron Co.													
North Franklin,													
Bear Valley,													
Burnside,													
Stirling,													
Henry Clay,													
Big Mountain,													
Total,													
Shipman Koal Co.													
Colbert,													
Susquehanna Collieries Co.													
Cameron,													
Lake Fidler,													
Total,													
Trevorton Colliery Co.													
Katherine,													
Grand total,													

¹Disability 60 days or more.

TWENTY-FIFTH DISTRICT, 1921

Operators and collieries	County	Explosives used—pounds									
		Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Fatal accidents	Serious non-fatal accidents	Black powder	Dynamite	Permissible
P. & R. Coal & Iron Co.											
Lincoln, - - - - -	P. & R., - - - - -	341,517	72,333	5,724	419,574	294	1,027	7	17	3,025	19,675
Brookside, - - - - -	P. & R., - - - - -	312,186	55,065	5,905	373,156	295	977	2	15	156,785	12,096
Good Spring, - - - - -	P. & R., - - - - -	206,216	74,234	8,705	289,156	295	588	2	11	75	109,866
Tower City, † - - - - -	P. & R., - - - - -	148,864	- - - - -	- - - - -	148,864	295	334	3	4	- - - - -	154,830
Valley View, * - - - - -	P. & R., - - - - -	154,311	- - - - -	- - - - -	154,311	295	290	2	6	- - - - -	172,725
Middle Creek, - - - - -	P. & R., - - - - -	70,257	5,401	3,007	78,635	147	265	1	1	- - - - -	46,222
		1,238,351	207,088	23,341	1,463,725	- - - - -	8,481	17	54	3,100	799,095
Rausch Creek, † - - - - -	P. & R., - - - - -	22,359	8,787	- - - - -	31,146	54	139	- - - - -	- - - - -	- - - - -	23,925
Lincoln, - - - - -	P. & R., - - - - -	26,355	- - - - -	- - - - -	26,355	41	63	- - - - -	- - - - -	- - - - -	250
		48,714	8,787	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
		1,282,065	215,820	23,341	1,521,226	- - - - -	3,683	17	54	3,100	828,270
		- - - - -	- - - - -	- - - - -	57,501	- - - - -	202	- - - - -	- - - - -	- - - - -	24,175
		- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	31,771
		- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -
Susquehanna Collieries Co.											
Short Mountain, - - - - -	Penna., - - - - -	296,777	87,798	27,386	411,961	268	915	4	9	- - - - -	153,487
Williamstown, - - - - -	Penna., - - - - -	248,462	34,064	6,442	288,968	257	917	3	14	- - - - -	68,899
		545,239	121,862	33,828	700,929	- - - - -	1,832	7	23	- - - - -	222,386
• Washeries											
Short Mountain, - - - - -	Penna., - - - - -	19,165	3,865	- - - - -	23,030	144	16	- - - - -	- - - - -	- - - - -	133,155
Williamstown, - - - - -	Penna., - - - - -	16,667	65,817	- - - - -	82,484	344	25	- - - - -	- - - - -	- - - - -	155,996
Summit Slope Bank, - - - - -	Penna., - - - - -	7,285	152	- - - - -	7,437	253	6	- - - - -	- - - - -	- - - - -	- - - - -
		43,117	69,834	- - - - -	- - - - -	112,951	- - - - -	47	- - - - -	- - - - -	- - - - -
		588,356	191,696	33,828	813,880	- - - - -	1,879	7	23	- - - - -	222,386
		1,870,421	407,516	57,169	2,335,106	- - - - -	5,562	24	771	3,100	1,045,636
		- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	- - - - -	320,922

*Disability 60 days or more.

*Coal prepared at Good Spring breaker.

†Opening drifts; no production.

†Coal prepared at Brookside breaker.

DEPARTMENT OF MINES

FIRST DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons sold locally	Tons used at collieries	Total production (gross tons)	Days worked	Employees	Explosives used—pounds		
									Fatal accidents	Serious non-fatal accidents	Black powder
Barton Coal Co.	Lackawanna, -----	N. Y. O. & W.	34,908	-----	-----	34,908	91	53	1	7,500	7,500
Barton Washery, -----	-----	-----	-----	-----	-----	-----	-----	-----	1	100	250
Blakely Red Ash Coal Co. Red Ash, -----	Lackawanna, -----	Truck to N. Y. O. & W., -----	3,900	900	4,800	78	37	1	1	1	1,200
Carbondale Coal Mining Co. Boland, -----	Lackawanna, -----	D. & H., -----	10,458	500	3,110	14,068	168	90	-----	-----	-----
Clifford Coal Co.	Susquehanna, -----	Erie, -----	-----	11,326	900	241	12,527	149	56	13,750	1,500
Connell Anthracite Coal Co. Connell, -----	Sullivan, -----	L. V., -----	-----	93,972	25,000	3,619	122,591	115	524	2	6
Grove Hill Coal Co.	Lackawanna, -----	Truck to N. Y. O. & W., -----	13,396	-----	3,119	16,515	143	55	-----	125	9,875
Hillside Coal & Iron Co. Forest City, -----	Susquehanna, -----	Erie, -----	212,955	27,488	10,805	251,248	164	981	1	8	195,150
Hillside Coal & Supply Co. Hillside, -----	Lackawanna, -----	N. Y. O. & W.	1,578	55	732	2,365	75	49	-----	500	1,000
Hudson Coal Co.	Wayne, -----	D. & H., -----	16,403	710	284	17,307	143	765	1	1	139,100
Clinton, -----	Susquehanna, -----	D. & H., -----	62,878	2,720	1,002	66,690	-----	6	1	1	81,780
Clinton Washery, -----	Lackawanna, -----	D. & H., -----	194,102	8,397	3,389	205,868	-----	1	1	1	62,097
Total, -----	-----	-----	276,107	273,383	11,827	4,745	289,955	765	2	7	139,100
Lackawanna Coal Co., Ltd. Lackawanna, -----	(Erie, -----)	-----	122,163	15,755	11,913	4,745	2,810	15	-----	-----	81,780
Clinton Washery, -----	(D. L. & W., -----)	-----	26,269	164,187	139	551	1	2	2	57,500	51,075

x Included with colliery.

FIRST DISTRICT, 1922—Concluded

Operators and collieries	County	Railroad to mine		Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds	
		Black powder	Dynamite									Permissible	
Mount Jessup Coal Co. Ltd.													
Mount Jessup No. 2, - - - - -	Lackawanna, - - - - -	D. L. & W. (N. Y. O. & W.) Erie, - - - - - D. & H., - - - - -	158,071	1,200	4,276	163,547	160	570	1	4	54,575	2,549	46,300
Murray B. Coal Co.	Lackawanna, - - - - -	N. Y. O. & W.,	4,664	50	80	4,794	94	40			1,000		1,700
Simpson, - - - - -	L. V., - - - - -	L. V., - - - - -	6,000	2,956	77,697	108	218	2			63,000	4,500	
Northern Anthracite Coal Co.	Sullivan, - - - - -	D. & H., - - - - -	85,093	1,125	2,807	89,025	150	354		2	131,450	4,205	63,964
Murray, - - - - -	Lackawanna, - - - - -	N. Y. O. & W.,	12,260	515	169	12,944	124	46					3,000
Racket Brook Coal Co.	Lackawanna, - - - - -	N. Y. O. & W.	22,857	125	2,100	25,082	95	40					
Racket Brook, - - - - -	Richmondale Coal Co.	N. Y. O. & W.	99,743	28,468	2,578	130,789	155	582		2	17,875	104,525	35,875
Richmondale, - - - - -	Robertson Washery, - - - - -	N. Y. O. & W.	16,184		322	16,806	40						
Robertson Coal Co.	Lackawanna, - - - - -	N. Y. O. & W.	116,227	28,468	2,900	147,595		582		2	17,875	104,525	35,875
Robertson Washery, - - - - -	Scranton Coal Co.	N. Y. O. & W.											
Ontario, - - - - -	Lackawanna, - - - - -	N. Y. O. & W.											
Ontario Washery, - - - - -	Lackawanna, - - - - -	N. Y. O. & W.											
Total, - - - - -													
Superior Anthracite Coal Co.	N. Y. O. & W.												
Nay-Aug. No. 2, - - - - -	Lackawanna, - - - - -	(Erie, - - - - - N. Y. O. & W.)	1,850	120	50	2,020	60	34					2,200
Temple Coal Co.	Lackawanna, - - - - -		69,057	7,799	1,138	77,994	149	314		1	9,200	63,937	
Northwest, - - - - -													
Grand total, - - - - -			1,319,583	137,587	59,502	1,516,672		5,350	10	281	731,750	416,531	284,841

¹Disability 60 days or more.

× Included with colliery.

SECOND DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Explosives used—pounds		
										Black powder	Dynamite	Permissible
Amerman Coal Co.	Lackawanna, -----	D. & H., -----	5,600	-----	5,600	203	33	-----	1	75	200	45,875
Archbald Coal Co.	Lackawanna, -----	D. & H., -----	78,728	3,210	2,865	84,803	160	341	2	3,750	6,750	36,130
Tappans, -----	Lackawanna, -----	Erie, -----	78,071	776	78,817	158	381	-----	1	160,325	1,560	36,130
Hillside Coal & Iron Co.	Lackawanna, -----	D. & H., -----	390,524	35,947	2,898	429,369	151	1,336	1	8	230,300	33,562
Erie, -----	Lackawanna, -----	D. & H., -----	301,626	9,558	5,808	317,082	143	1,025	1	7	126,700	4,130
	Lackawanna, -----	D. & H., -----	227,396	23,813	9,843	263,052	153	946	2	2	112,875	17,006
	Lackawanna, -----	D. & H., -----	175,118	7,919	-----	183,037	125	806	5	11	76,675	20,336
Hudson Coal Co.	Washeries	1,094,664	79,237	18,639	1,192,540	-----	4,113	9	28	546,550	75,034	279,779
Coal Brook, -----	Lackawanna, -----	D. & H., -----	10,668	14,025	-----	24,603	151	-----	-----	-----	-----	-----
Gravity Slope, -----	Lackawanna, -----	D. & H., -----	20,090	552	-----	20,642	142	-----	-----	-----	-----	-----
Powderly, -----	Total, -----	30,758	14,577	-----	45,335	-----	-----	-----	-----	-----	-----	-----
Jermyn, -----		1,125,422	93,814	18,639	1,237,875	-----	4,113	9	28	546,550	75,034	279,779
Sunny-side, -----	Humbert Coal Co.	66,323	3,600	612	70,535	165	265	-----	-----	24,525	5,575	35,000
Oak Run, -----	Lackawanna, -----	13,154	415	344	13,913	90	50	-----	-----	-----	-----	-----
Lackawanna Coal Mining Co.	Lackawanna, -----	412	-----	775	1,187	92	21	-----	1	250	-----	1,000
Murrin Coal Co.	Lackawanna, -----	N. Y. O. & W.	32,088	226	2,681	34,995	169	149	1	-----	8,359	2,400

Included with Coal Brook Colliery.

** Included with Gravity Slope Colliery.

*Stripping operation.

SECOND DISTRICT, 1922—Concluded

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Explosives used—pounds			
									Fatal accidents	Black powder	Dynamite	Permissible
Rhondda Coal Co.	N. Y. O. & W.	Lackawanna, -	71,897			71,897	176	54				
Rhondda Washery, -	D. & H., -	Lackawanna, -	6,450	210	20	6,680	72	35				
Rose Coal Co.	N. Y. O. & W.	Lackawanna, -	94,638	8,473	3,254	103,111	150	441	1	11,250	99,000	200
Rose Washery, -	N. Y. O. & W.	N. Y. O. & W.	81,332	13,263		97,869	149	392		41,250	15,000	25,500
Scranton Coal Co.	Lackawanna, -	Lackawanna, -	175,990	21,736	3,254	200,980			1	52,500	114,000	25,700
Raymond,† Riverside, -	N. Y. O. & W.											
Total, -												
Temple Coal Co.	Erie, -	Lackawanna, -	130,188	18,997	9,127	158,312	145	508	1	2	66,700	63,850
Sterick Creek, -												
Grand total, -			1,784,323	142,984	38,317	1,965,624			6,783	10	371	754,675
												275,328 425,84

†Coal prepared at Ontario Colliery, 1st District.

1 Disability 60 days or more.

THIRD DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Explosives used—pounds			
									Fatal accidents	Black powder	Dynamite	Permissible
Warren T. Acker & Others Pleasant Mount Washery, -	N. Y. O. & W.	23,471	†			23,471	67	18				
H. P. Decker Coal Co. Cayuga Washery, -	D. I. & W., -	11,672	2,037			13,709	107	28				
Glen Alden Coal Co. Diamond, -	D. I. & W., -	468,829	17,609			486,438	157	1,709	4	9	131,530	538,577
Hudson Coal Co. Eddy Creek, -	D. & H., -	320,224	6,301			329,622	135	1,313	7	5	375,575	50,547
Marvine, -	D. & H., -	285,427	30,527			311,236	144	1,680	4	6	379,100	9,462
Eddy Creek Washery	D. & H., -	605,651	36,828			670,918	28,439	90,087	2,993	11	754,675	9,462
Total,		625,937	106,629			761,005			2,993	11	754,675	9,462
Legitts Creek Anthracite Co. Legitts Creek, -	D. & H., -	188,650	22,536	6,164		217,350	164	812	3	4	51,700	37,595
Mid-City Coal Co. Bulls Head, -	N. Y. O. & W., -	36,163	800			10,598	47,561	150	221			
Scranton Coal Co. West R'dge, -	N. Y. O. & W., -								13*			
Von Storch Collieries Co. Von Storch, -	D. & H., -	97,791	9,619			25,320	132,730	165	613	2	390	5,800
Grand total, -		1,452,513	159,230			70,521	1,682,264		6,408	20	261	939,525
												59,412
												394,840

Included with Eddy Creek Colliery.

†Not reported.

*Repairing.

1Disability 60 days or more.

FOURTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em- ployes	Explosives used—pounds			
									Fatal accidents	Black powder	Dyna- mite	Per- missible
Glen Alden Coal Co.												
Hyde Park, -----	Lackawanna, -----	D. L. & W., -----	68,224		14,457	82,681	76	592	1	5	75,900	23,219
Green Ridge Coal Co.	Lackawanna, -----	{ Erie, ----- D. & H., ----- }	16,121	3,254	6,008	25,378	90	150		1	3,254	24,025
Green Ridge, -----	Lackawanna, -----	D. & H., -----	177,768	10,674		188,442	139	241	2		91,225	480
Hudson Coal Co.	Lackawanna, -----	D. L. & W., ----- (N. Y. O. & W.)	67,704	180	3,236	71,120	295	38				6,231
Manville, *	Lackawanna Washery, -----	Erie, -----	151,936	12,104	21,392	185,432	165	570	1	5	156,200	1,850
Lackawanna Fuel Co.	Lackawanna, -----	Petersburg Coal Co.	2,041			2,041	153	16		1		
Lackawanna Washery, -----	Lackawanna, -----	(N. Y. O. & W.) (D. L. & W.)	145,218	59,804	5,382	210,404	164	779	3	6	141,525	16,806
Pennsylvania Coal Co.	Lackawanna, -----	N. Y. O. & W.	197,063	17,867	64,588	279,518	159	1,084	2	6	215,000	33,450
No. 5, -----	Lackawanna, -----	N. Y. O. & W.	55,138	11,385	66,523	147	329	1	1	40,000	8,000	
Petersburg Coal Co.	Lackawanna, -----	N. Y. O. & W.	12,869	2,917	7,244	23,030	123	171			5,625	19,500
Price-Pancoast Coal Co.	Lackawanna, -----		265,070	32,169	71,832	369,071		1,584	3	7	290,625	41,450
Pancoast, -----	Lackawanna, -----											94,550
Scranton Coal Co.	Lackawanna, -----											
Pine Brooke -----	Lackawanna, -----											
Capouse, # -----	Lackawanna, -----											
Mount Pleasant, -----	Lackawanna, -----											
Total, -----												
Se-Rob Coal Co.	Lackawanna, -----	(D. L. & W.) (N. Y. O. & W.)	51,761		4,713	56,474	155	123				
Se-Rob.	Lackawanna, -----											
Grand total, -----			945,843	118,185	127,015	1,191,043		4,093	10	251	773,479	108,230
												134,381

*Coal prepared at Marvine breaker, 3rd District.

#Coal prepared at Johnson breaker, 6th District.

1 Disability 60 days or more.

FIFTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employes	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds			
											Black powder	Dynamite	Permissible	
Black Diamond Fuel Co.														
Minooka Washery, - - -	Lackawanna, - - -	D. & H., - - -	15,732			15,732	215	14						
John Gibbons Coal Co.	Lackawanna, - - -	D. & H., - - -	42,774	1,545	7,404	51,723	337	14						
Glen Alden Coal Co.														
National, - - -	Lackawanna, - - -	D. L. & W., - - -	8,681	1,442	407	10,530	10	611	4	1	6,975	1,813	1,451	
Baker, - - -	Lackawanna, - - -	D. L. & W., - - -	160,844	9,501		170,345	142	668	1	6	150,075	63,777	- - -	
Sloan, - - -	Lackawanna, - - -	D. L. & W., - - -	62,532	7,506		70,038	76	380		3	45,850	17,562	- - -	
Archbald, - - -	Lackawanna, - - -	D. L. & W., - - -	243,591	83		243,674	160	847	4	4	108,000	147,024	- - -	
Continent, #	Lackawanna, - - -	D. L. & W., - - -						116	1	1				
Hampton Power Plant, - - -	Lackawanna, - - -	D. L. & W., - - -						67		110				
Total, - - -			475,648	18,532	407	494,557								
Hudson Coal Co.									2,698	10	15	311,010	230,176	1,451
Greenwood, - - -	Lackawanna, - - -	D. & H., - - -	233,375	16,085	7,388	256,848	132	1,000	2	1	228,450	23,678	87,401	
Moffat Coal Co.	Lackawanna, - - -	I. & W. V., - - -	22,128	200	1,100	23,428	117	141	1		2,000		11,700	
W. Y. Moffat, x x x	Lackawanna, - - -	{D. & H. 'W.' } {D. L. & W. , - - }	4,520		1,249	5,769	85	35			1,250	6,580	- - -	
Park Hill Coal Co.	Lackawanna, - - -	I. & W. V., - - -	3,600				3,600	45	130	1	250	500	- - -	
Park Hill, *	Powell & Jennings										25,250	4,325	29,575	
Rocky Glen, - - -	Lackawanna, - - -	N. Y. S. & W., - - -	19,799	500		20,299	167	240				9,620	- - -	
Scranton Anthracite Coal Co.	Lackawanna, - - -	D. & H., - - -	9,466	321	2,567	12,354	87	30						
Oak Hill, - - -	Lackawanna, - - -													
Slocum Hollow Coal Co.	Slocum, - - -													
Grand total,			827,042	37,183	20,115	884,340		4,302	13	171	568,210	274,879	130,127	

x x x Formerly Carleton. x Stripping Operation. # Fighting mine fire. *Coal prepared at Slocum Colliery. ¹Disability 60 days or more.

SIXTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	Permissible
Bald Mountain Coal Co., Marshwood, x	Lackawanna, -----	D. L. & W.,-----	15,437	1,988	283	17,703	125	94	-----	3,125	2,725	8,250	
John J. Boland Coal Co., Boland, -----	Lackawanna, -----	Erie, -----	4,598	20	3,512	8,130	163	30	-----	2,175	450	1,750	
Carney & Brown Coal Co., Carney & Brown, -----	Lackawanna, -----	{D. L. & W.,----- {Erie, -----}	9,028	715	2,129	11,872	110	65	-----	1	7,500	3,825	
Glen Alden Coal Co., Storrs, -----	Lackawanna, -----	D. L. & W.,-----	420,409	33,928	21,560	475,897	157	1,460	4	12	666,375	87,624	
Hudson Coal Co., Olyphant, -----	Lackawanna, -----	D. & H.,-----	355,593	48,146	16,777	420,516	140	1,446	2	5	332,050	95,977	
Mount Jessup Coal Co., Ltd.	Lackawanna, -----	{D. L. & W.,----- {N. Y. O. & W. {Erie, D. & H.}}	15,769	297	97	16,163	37	151	-----	950	86	17,800	
Mount Jessup No. 1, x	Lackawanna, -----	Erie, -----	23,109	1,000	-----	24,109	115	156	-----	1	250	1,000	
Nay Aug Coal Co., Nay Aug, -----	Lackawanna, -----	Erie, -----	491,403	30,360	108	521,871	162	1,355	2	7	470,700	7,240	
Pennsylvania Coal Co., No. 1, ----- Underwood, -----	Lackawanna, ----- Lackawanna, -----	Erie, ----- Erie, -----	387,473	24,294	4,852	416,619	171	1,170	5	6	392,475	193,570	
Total, -----	-----	-----	878,876	54,654	4,960	938,490	-----	2,525	7	18	863,175	200,810	
Quinn Coal Co., No. 6 Washery, -----	Lackawanna, -----	Erie, -----	78,236	-----	-----	78,236	265	101	-----	-----	-----	-----	
Scranton Coal Co., Johnson, Richmond, No. 3, x x x -----	Lackawanna, ----- Lackawanna, -----	N. Y. O. & W. N. Y. O. & W.	58,665	14,643	4,098	77,406	123	400	-----	1	17,500	12,025	
Total, -----	-----	-----	90,774	32,109	7,257	29,366	127	240	1	1	50,000	16,400	
								116,772	-----	1	640	1	67,500
													28,425

x Coal prepared at Mount Jessup No. 2 breaker, 1st district.
x x Coal prepared at Johnson breaker.

Spencer Coal Co.	Lackawanna, Eric, -----	1,500	38,681	12,270	52,451	161	199	2,650	2,850
Scranton Anthracite Coal Co. Blakely, x x -----	N. Y. O. & W. -----	12,502	155	12,657	149	72	9,000	3,000	12,000
Scranton Anthracite Briquette Co. Dickson-City Plant, -----	D. L. & W., -----	6,073	1,297	7,370*	40	55	-----	-----	-----
Grand total, -----	-----	1,049,085	165,440	65,841	2,180,366	6,994	14	331 1,954,750	334,995
									169,719

xx Coal prepared at Lackawanna breaker, 1st District.

*Coal obtained from culm bank, Storts Colliery, Glen Alden Coal Co.

¹Disability 60 days or more.

SEVENTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons sold locally	Total production (gross tons)	Days worked	Em-ployees	Fatal acci-dents	Serious non-fatal acci-dents	Explosives used—pounds			
										Black powder	Dyna-mite	Per-missible	
Glen Alden Coal Co.													
Taylor, -----	Lackawanna, -----	D. L. & W., -----	364,004	12,023	16,311	392,388	155	980	9	307,575	42,142	566	
Pyne, -----	Lackawanna, -----	D. L. & W., -----	263,478	10,653	3,602	277,733	156	790	3	266,125	10,887	75	
Hallstead, -----	Luzerne, -----	D. L. & W., -----	93,594	6,848	3,319	103,761	154	388	2	28,950	66,800		
Total, -----			721,076	29,524	23,232	773,832		2,108	4	14	602,650	119,799	641
Hillside Coal & Iron Co. Consolidated, -----	Luzerne, -----	Erie, -----		3,509	5,862	54,909	138	225	1				
Jermyn & Co.	Lackawanna, -----	{Erie, ----- D. L. & W., -----}	175,502	16,875	8,620	200,997	135	850		2	112,500	115,900	20,500
Pennsylvania Coal Co.	Lackawanna, -----	Erie, -----	213,766	49,554	168	263,488	124	1,307	3	4	111,875	18,431	55,316
Old Forge, -----	Luzerne, -----	Erie, -----	123,257	15,568	6,944	145,769	149	635	3	2	119,300	16,604	7,704
Total, -----			337,023	65,122	7,112	409,257		1,942	6	6	231,175	30,035	63,020
Suffolk Coal Co.	Luzerne, -----	D. & H., -----		3,240	6,625	143,927	162	482	1	1	8,900	4,737	54,100
Avoca, -----			134,062										
Dennington Coal Co.	Lackawanna, -----	D. L. & W., & Erie, -----				23,734		135		23			
Washery, -----	Lackawanna, -----	D. L. & W., -----		18,811			18,811		98	33			
Reap-Murphy Coal Co.	Lackawanna, -----				51,451	1,625,467			5,663	12	231,1,002,500	273,227	138,261
Grand total, -----			1,455,746	118,270									

¹Disability 60 days or more.

EIGHTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	'Total production (gross tons)	Days worked	Employees	Explosives used—pounds		
									Fatal accidents	Serious non-fatal accidents	Black powder
Hillside Coal & Iron Co. Butler, -----	Luzerne, -----	Erie, -----	303,189	35,730	5,862	344,781	128	1,474	2	5	226,550
Hudson Coal Co. Lafayette, -----	Luzerne, -----	D. & H., -----	135,093	9,019	1,113	146,130	133	561	2	2	93,900
Pennsylvania Coal Co.											
Number 14, -----	Luzerne, -----	Erie, -----	338,249	75,476	10,882	424,657	136	1,840	10	328,350	81,139
Ewen, -----	Luzerne, -----	Erie, -----	309,819	48,814	669	359,302	145	1,729	1	8	246,950
Number 6, -----	Luzerne, -----	Erie, -----	246,951	24,761	12,261	283,973	146	1,814	12	268,650	92,128
Number 9, -----	Luzerne, -----	Erie, -----	330,054	36,729	11,553	378,336	156	1,632	1	9	224,600
Barnum, -----	Luzerne, -----	Erie, -----	50,940	15,451	3,047	69,418	121	359	4	14,850	55,591
Total, -----			1,276,043	201,231	38,412	1,515,786					
Grand total, -----			1,715,230	245,980	45,387	2,006,537					
									7,374	3	43,1,083,400
										50 ¹	1,403,850
											453,535
											132,904

Note: The following companies operated during the year but the Inspector failed to obtain the proper reports: Benjamin Coal Co., East Pittston Coal Co., Pittston Fuel Co., Scranton Fuel Co., Yatesville Coal Co.

*Coal prepared at Pine Ridge breaker, 10th District.

¹Disability 60 days or more.

NINTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	Permissible
Harris-Denly Coal Co.	Luzerne, -----	{L. V. & W. } (D. L. & W. , -)	18,900	1,400	1,438	21,738	151	92	-----	-----	6,950	10,500	-----
Kintz, -----	Luzerne, -----	L. V., -----	2,109	*	-----	2,109	32	48	1	-----	300	800	-----
Healey Coal Co.	Troy, # -----	L. V., -----	-----	-----	-----	-----	75	-----	10,817	78	32	-----	-----
John Ames Coal Co.	Phoenix Washery, -----	L. V., -----	10,742	-----	-----	-----	77	-----	-----	-----	-----	-----	-----
John Fib Coal Co.	Wyoming Washery, -----	L. V., -----	10,755	-----	-----	-----	77	-----	10,832	66	34	-----	-----
Kingston Coal Co.	Kingston No. 4, -----	{D. L. & W. } (Penn., L. V.) (D. & H., -) (C. R. R. of N. J. -)	38,000	191	182,018	191	162	724	1	5	83,975	4,250	17,250
Lehigh Valley Coal Co.	Luzerne, -----	L. V., -----	165,894	56,131	29,323	251,348	146	744	1	4	21,000	156,600	-----
Exeter, -----	Luzerne, -----	L. V., -----	96,944	20,090	5,825	122,859	151	356	-----	6	2,375	91,450	-----
Westmoreland, -----	Luzerne, -----	L. V., -----	154,874	22,801	8,170	185,845	146	595	-----	4	35,775	111,900	-----
Maltby, -----	Luzerne, -----	L. V., -----	27,660	-----	-----	27,660	151	88	1	1	11,715	159,050	-----
Seneca, -----	Luzerne, -----	L. V., -----	160,336	54,508	22,783	237,627	151	881	2	1	105,335	159,050	-----
Heidelberg, -----	Luzerne, -----	{L. V. & H. } (D. & H. , -)	74,914	40,887	1,922	117,723	134	358	1	3	22,200	28,100	-----
Total, -----	-----	-----	680,622	194,417	68,023	943,062	-----	3,022	6	18	198,500	547,100	-----

*Power purchased.
#Coal prepared at Wyoming Washery.

Mount Lookout	Coal Co.	Luzerne,	D. L. & W.,	L. V.,	D. L. & W.,	L. V.,	350	2	2	8,500
Mount Lookout,		18,123	7,460	100,080	117	350				
Temple Coal Co.		75,103	18,123	7,460	100,080	117	350			
Forty Fort,	Luzerne,	143,241	24,200	5,422	172,863	153	505	2	1	92,862
Harry E.,	Luzerne,	140,703	20,206	4,929	174,838	124	474	1	1	90,425
Total,		283,944	53,406	10,351	347,701	979	979	3	2	183,287
Grand total,		1,226,002	305,498	87,463	1,618,963	5,311	5,311	13	271	834,187
										27,750

¹Disability 60 days or more.

TENTH DISTRICT, 1922

Operators' and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employes	Explosives used—pounds		
									Fatal accidents	Serious non-fatal accidents	Black powder
Central Coal Co.	Wyoming, -----	D. & H., -----	34,297	1,050	1,512	36,859	163	174	2	1	41,037
John Conlon	Luzerne, -----	D. & H., -----	30,398	200	6,892	37,490	161	139	-----	1	18,750
East Boston Coal Co.	East Boston, -----	{D. L. & W., L. V., Penna. D. & H., -----}	71,535	45,625	3,847	121,007	137	645	1	1	1,450
Glen Alden Coal Co.	Luzerne, -----	D. L. & W., -----	348,492	31,917	8,098	388,507	162	968	1	4	159,225
Haddock Mining Co.	Luzerne, -----	{L. V., D. L. & W., D. L. & H., -----}	90,904	11,800	8,928	111,632	151	368	1	1	15,625
Healey Coal Co.	Black Diamond, -----	L. V., -----	10,562	450	303	11,315	120	98	-----	-----	9,000
Hudson Coal Co.	Pine Ridge, -----	D. & H., -----	422,297	44,826	9,286	476,409	139	1,084	2	3	127,175
	Delaware*, -----	D. & H., -----	8,217	575	-----	8,792	139	629	1	2	188,925
	Pine Ridge Washery, -----	D. & H., -----	430,514	45,401	9,286	485,201	1,713	1,713	3	5	336,100
Lehigh Valley Coal Co.	Luzerne, -----	L. V., -----	249,847	46,894	6,671	303,412	156	812	3	3	109,875
Henry, \$ Mineral Spring, -----	Luzerne, -----	L. V., -----	147,365	16,171	6,826	170,362	146	496	1	6	5,925
Total, -----	-----	-----	397,212	63,065	13,497	473,774	-----	1,308	4	9	115,800
											290,200
											3,925

Included with Pine Ridge Colliery. *Coal prepared at Pine Ridge breaker. \$Coal prepared at Prospect breaker, 11th District.

Raub Coal Co.	Luzerne, -----	L. V., -----	38,486	1,200	9,599	40,285	110	267	-----	1,000	7,200	19,775
Louise, -----	Luzerne, -----	N. Y. S. & W. {C. R. R. of (N. J., -----)	86,918	600	770	88,288	145	401	1	47,500	7,300	30,000
Traders Coal Co.	Luzerne, -----	D. & H., -----	95,413	1,305	1,988	98,706	151	395	-----	2	86,800	41,020
Bridgewood, -----	Luzerne, -----	Grand total, -----	1,634,731	202,613	64,720	1,902,064	6,376	241	831,959	13	461,308	414,716
Wilkes-Barre Colliery Co.	Luzerne, -----											
Madeira, -----												

¹Disability 60 days or more.

ELEVENTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Explosives used—pounds		
									Fatal accidents	Serious non-fatal accidents	Black powder
Hillman Coal Co. Hillman, -----	Luzerne, -----	L. V., -----	23,822	5,400	849	30,071	71	296	1	6	28,750
Hudson Coal Co. Baltimore No. 5, -----	Luzerne, -----	D. & H., -----	340,659	57,429	22,185	420,273	135	1,631	5	21	147,525
Lehigh & Wilkes-Barre Coal Co. Hollenback No. 2, -----	Luzerne, -----	C. R. R. of N. J., -----	73,535	20,736	58,031	152,302	158	641	3	2	97,975
South Wilkes-Barre No. 5, -----	Luzerne, -----	C. R. R. of N. J., -----	150,554	23,574	88,424	262,552	157	823	-----	11	625
Stanton No. 7, -----	Luzerne, -----	C. R. R. of N. J., -----	367,703	26,067	30,053	423,823	160	1,342	2	8	180,000
Empire Washery, -----	Luzerne, -----	C. R. R. of N. J., -----	591,792	70,377	176,508	838,677	-----	2,806	5	21	278,600
Total, -----	Luzerne, -----	L. V., -----	615,095	74,203	184,943	874,241	-----	2,850	5	21	278,600
Lehigh Valley Coal Co. Dorrance, -----	Luzerne, -----	L. V., -----	230,734	38,730	45,735	315,199	152	899	4	14	183,525
Prospect, -----	Luzerne, -----	L. V., -----	158,347	54,211	9,016	221,574	155	793	3	9	100,525
Total, -----	Luzerne, -----	C. R. R. of N. J., -----	389,091	92,941	54,751	536,773	-----	1,692	7	23	224,050
Red Ash Coal Co. Red Ash No. 2, -----	Luzerne, -----	C. R. R. of N. J., -----	22,809	2,973	5,910	31,692	46	218	-----	2	750
Grand total, -----	-----	-----	1,391,466	232,946	268,638	1,893,050	-----	6,687	18	721	689,675

1 Disability 60 days or more.

TWELFTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds			
											Black powder	Dynamite	Permissible	
Cullen Fuel Co., Inc.	Plymouth Washery, -	[D. L. & W., -] [C. R. R. of] [N. J., -]	26,195	200	350	26,745	118	36	7	11	324,225	16,775	200,700	
Glen Alden Coal Co.	Luzerne, -	[D. L. & W., -] [D. L. & W., -] [D. L. & W., -]	658,407	-	10,309	608,716	#	1,771	-	-	-	-	-	
Woodward, -	Luzerne, -	[D. L. & W., -]	-	-	-	-	-	162	162	37	-	-	-	
Woodward Bank, -	Luzerne, -	[D. L. & W., -]	-	-	-	-	-	365	365	-	-	-	-	
Nanticoke Power Plant, x -	Luzerne, -	[D. L. & W., -]	-	-	-	-	-	-	-	-	-	-	-	
Total, -		[658,407]	-	-	-	10,309	668,716	-	1,808	8	11	324,225	16,775	200,700
Hudson Coal Co.	Luzerne, -	[D. & H., -] [D. & H., -]	584,321	67,171	26,286	677,778	133	2,419	2	11	480,850	52,395	11,889	
Loree No. 5, -	Luzerne, -	[2,066]	1,078	-	-	3,144	133	#	-	-	-	-	-	
Loree Washery, -		[586,387]	68,249	26,286	680,922	-	-	2,419	2	11	480,850	52,395	11,889	
Total, -		-	-	-	-	-	-	-	-	-	-	-	-	
Kingston Coal Co.	Luzerne, -	[D. L. & W., -] [Penna. D. & H. C. R. R. of] [N. J. L. V., -]	155,936	13,000	36,388	205,924	161	806	2	1	113,725	3,425	2,265	
Kingston No. 2, -	Luzerne, -	[48,942]	11,000	2,640	62,582	160	317	-	-	-	11,625	8,800	-	
Gaylord, -		[204,878]	24,000	39,628	268,506	-	-	1,123	2	1	125,350	12,225	2,265	
Total, -		-	-	-	-	-	-	-	-	-	-	-	-	
Larksville Coal Co.	Black Diamond, S	-	4,315	-	-	4,315	-	-	-	-	-	50	950	

Included with Woodward Colliery.

Included with Loree No. 5 Colliery.
X Furnishes power for Woodward Colli

For the power of Woodward Colliery.
Coal prepared at Black Diamond Colliery, 10th District.

4 C. 631) Prepared at Black Diamond Colony, 10th District.

TWELFTH DISTRICT, 1922—Concluded

Operators and collieries	County	Explosives used—pounds										
		Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Fatal accidents	Employes	Serious non-fatal accidents	Black powder	Dynamite	Permissible
Lehigh & Wilkes-Barre Coal Co.												
Lance No. 11, -----	Luzerne, -----	C. R. R. of N. J., -----	256,659	26,024	18,426	301,109	160	868	1	10	226,975	4,854
Nottingham No. 15, -----	Luzerne, -----	C. R. R. of N. J., -----	259,434	31,730	35,786	326,950	159	919	4	12	119,075	12,610
Nottingham Bank, -----	Luzerne, -----	C. R. R. of N. J., -----				XX	159	XX				5,042
Total, -----		516,093	57,754	54,212	628,059			1,787	5	22	346,050	17,464
Plymouth Red Ash Coal Co.												53,490
Red Ash, -----	Luzerne, -----	D. L. & W., -----	9,153	193	2,413	11,759	165	47				50
Grand total, -----			2,005,428	150,396	183,198	2,289,022	7,265	17	451	1,276,475	98,959	270,794

¹Disability 60 day or more.
XX Included with Nottingham No. 15 Colliery.

THIRTEENTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em-ployees	Fatal accidents	Explosives used—pounds			
										Serious non-fatal accidents	Black powder	Dyna-mite	Permissible
Glen Alden Coal Co.		D. L. & W.,--	742,642	46,142	6,536	795,320	154	1,979	6	10	145,175	55,175	405,900
Trusdale, -----	Luzerne, -----	D. L. & W.,--	421,655	15,795	5,884	443,334	155	1,023	2	1	20,725	9,800	290,950
Loomis, -----	Luzerne, -----	D. L. & W.,--	138,309	21,905	3,626	163,930	157	513	---	1	---	9,296	42,525
Avondale, -----													
Total, -----			1,302,606	83,982	16,046	1,402,584	---	3,515	8	12	165,900	74,271	739,375
George F. Lee Coal Co.	Luzerne, -----	D. I. & W.,--	22,024	---	921	22,945	94	185	1	1	600	7,512	-----
Lehigh Valley Coal Co.	Luzerne, -----	L. V., -----	163,665	27,925	6,473	198,063	144	630	3	1	12,125	102,775	-----
Franklin, -----	Luzerne, -----	L. V., -----	52,618	8,444	674	61,736	155	196	---	1	700	37,425	-----
Warrior Run, * -----	Luzerne, -----												
Total, -----			216,283	36,369	7,147	259,739	---	826	3	1	12,825	140,200	-----
Lehigh & Wilkes-Barre Coal Co.		C. R. R. of N. J.,--	260,987	12,329	3,905	277,221	161	860	7	5	1,900	11,163	147,107
Sugar Notch No. 9, -----	Luzerne, -----	C. R. R. of N. J.,--	271,315	20,045	19,028	310,383	160	1,025	4	10	31,225	10,966	155,450
Maxwell No. 20, -----	Luzerne, -----	C. R. R. of N. J.,--	161,929	26,164	2,636	190,729	154	580	---	2	---	1,923	127,575
Buttonwood No. 22, -----	Luzerne, -----												
Total, -----			694,231	58,538	25,564	778,333	---	2,465	11	17	33,025	24,058	430,132
Pittston Coal Mining Co.		C. R. R. of N. J.,--	70,606	12,450	826	83,882	161	280	1	1	---	20,000	-----
Hadleigh, -----	Luzerne, -----	Penna., -----	45,083	930	---	46,013	126	156	---	4,950	7,030	1,100	-----
West Nanticoke Coal Co.	Luzerne, -----												
Grand total, -----			2,350,833	192,219	50,504	2,593,556	---	7,427	24	321	217,300	273,071	1,170,607

*Coal prepared at Prospect breaker, 11th District.

1Disability 60 days or more.

FOURTEENTH DISTRICT, 1922

Coal prepared at Loomis Breaker, 13th District, and heat at Wanamie No. 18 Colliery.

Susquehanna Coal Co.	Luzerne, -----	Penna., -----	353,225	25,724	4,742	383,691	1,364	2	2	39,575	80,345	42,505	
Number 6, -----	Penna., -----	Penna., -----	384,963	29,008	28,001	413,972	1,511	2,004	3	14	189,850	25,571	107,177
Number 7, -----	Penna., -----	Penna., -----	-----	-----	-----	-----	151	151	151	-----	-----	-----	-----
Nanticoke Washery, -----	Penna., -----	Penna., -----	740,188	54,732	32,743	827,663	3,268	5	5	16	229,425	105,916	149,682
Total, -----	-----	-----	61,898	62,659	-----	124,537	1,961	57	57	1	-----	-----	-----
West End Coal Co.	Luzerne, -----	Penna. & C. R. R. of N. J., -----	802,086	117,391	32,743	952,220	3,325	5	5	17	229,425	105,916	149,682
Grand total, -----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹Disability 60 days or more.

FIFTEENTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	Permissible
Coxe Brothers & Co., Inc. Driftton Nos. 1, 2, 9, 10, --	Luzerne, -----	L. V., -----	141,688	53,176	12,898	207,762	154	664	4	2,275	92,832	-----	
Eckley & Buck Mountain, -----	Luzerne, -----	L. V., -----	170,792	12,492	3,712	186,986	158	380	1	1	51,503	-----	
Deringer, Gowan & Tomhicken, #	Luzerne, -----	L. V., -----	185,340	1,280	3,381	190,001	154	722	1	-----	137,807	-----	
Total, -----			497,820	66,948	19,991	584,759	-----	1,766	2	5	2,275	282,142	-----
East Point Coal Co. Pond Creek, -----	Luzerne, -----	C. R. R. of C. N. J., -----	13,400	61	211	13,672	98	104	-----	-----	2,245	6,100	
Jeddo-Highland Coal Co.	Luzerne, -----	L. V., -----	80,457	30,454	6,793	117,704	138	440	1	2	-----	50,479	
Highland No. 2, -----	Luzerne, -----	L. V., -----	217,915	20,321	546	238,782	146	532	-----	2	107,431	-----	
Highland No. 5, -----	Luzerne, -----	L. V., -----	266,544	32,753	8,167	307,464	160	1,015	-----	13	207,478	-----	
Jeddo No. 4, -----	Luzerne, -----	L. V., -----	146,852	9,001	12,743	168,686	140	308	-----	1	55,575	-----	
Jeddo No. 7, -----	Luzerne, -----	L. V., -----	711,768	92,619	28,249	832,636	-----	2,295	1	18	-----	420,963	-----
Total, -----													
M. S. Kemmerer & Co. Sandy Run, -----	Luzerne, -----	C. R. R. of C. N. J., -----	42,034	961	1,217	44,212	166	162	-----	1	-----	404	14,623
Lehigh Valley Coal Co. Hazleton No. 1, -----	Luzerne, -----	L. V., -----	112,406	10,854	47,667	170,927	145	458	4	2	-----	61,029	-----
Hazleton Shaft, -----	Luzerne, -----	L. V., -----	152,666	34,254	4,901	191,821	151	825	1	2	-----	123,195	-----
Total, -----			265,072	45,108	52,568	362,748		1,283	5	4	-----	184,224	

**Coal prepared at Drifton and Hazleton Shaft breakers.
#Coal prepared at Hazleton Shaft breaker

Pardue Brothers & Co., Inc. Lattimer, -----	Luzerne, -----	L. V., -----	301,845	38,373	13,457	353,675	156	1,028	5	229,200
Wentz Co. Upper Leigh, -----	Luzerne, -----	C. N. R. R. of J., -----	84,882	7,125	1,176	93,183	167	282	3	62,398
J. S. Wentz Co. Hazle Brook, -----	Luzerne, -----	L. V., -----	43,931	10,792	320	55,053	68	188	2	11,975
Wolf Collieries Co. Wolf, x	Luzerne, -----	L. V., -----	21,758	-----	-----	21,758	151	91	-----	18,400
Grand total, -----	-----	-----	1,982,510	261,987	117,190	2,361,696	7,200	10	371	2,275
										1,211,761
										20,812

× Coal prepared at Drifton Colliery.

¹Disability 60 days or more.

SIXTEENTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds		
											Black powder	Dynamite	Permissible
Beaver Valley Coal Co. Scotch Valley, -----	Columbia, -----	Penna., -----	35,426	2,680	235	38,341	145	150	-----	2	10,500	8,925	4,475
Campion Coal Co. Silver Brook Washery, -----	Schuykill, -----	P. & R., -----	6,295	-----	-----	6,295	54	25	-----	1	-----	-----	-----
Candlemas Collieries Co. Candlemas Washery, -----	Schuykill, -----	P. & R., -----	16,469	-----	-----	16,469	86	46	-----	-----	-----	-----	-----
Coxe Brothers & Co., Inc. Beaver Meadow, -----	Carbon, -----	L. V., -----	132,862	14,119	6,673	153,654	133	454	1	4	85,472	77,213	-----
Oneida, x -----	Schuykill, -----	L. V., -----	129,713	11,882	1,066	142,661	148	542	-----	2	-----	-----	-----
Total, -----	-----	-----	262,575	26,001	7,739	296,315	-----	-----	396	1	6	-----	162,685
Cranberry Creek Coal Co. Cranberry, -----	Luzerne, -----	L. V., -----	335,987	24,297	130,184	490,468	148	1,292	1	9	-----	-----	18,475
Charles M. Dodson & Co. Beaver Brook, -----	Luzerne, -----	{ L. V. C. R. } { R. of N. J., ----- }		170,485	2,384	3,486	176,355	169	504	-----	3	12,700	63,875
Evans Colliery Co. Evans, -----	Carbon, -----	L. V., -----	45,491	600	857	46,948	134	180	-----	-----	-----	-----	8,250
Harwood Coal Co. Harwood, -----	Luzerne, -----	L. V., -----	54,441	-----	21,725	76,166	150	392	-----	1	-----	-----	32,125
Lehigh & Wilkes-Barre Coal Co. Audenried No. 4, -----	Schuykill, -----	C. R. R. of N. J., -----	110,945	41,793	5,246	157,984	156	598	-----	2	116	81,750	560
C. R. R. of N. J., -----	Carbon, -----	C. R. R. of N. J., -----	75,252	-----	-----	75,252	75	138	-----	4	59	40,877	280
C. R. R. of N. J., -----	Schuykill, -----	186,197	41,793	5,246	233,236	-----	736	-----	6	175	122,627	840	-----
140,501	17,335	-----	157,836	155	-----	157,836	155	596	-----	7	11,625	65,100	-----
326,608	50,128	5,246	391,072	-----	-----	391,072	-----	-----	13	11,830	187,727	840	-----

Lehigh Valley Coal Co.	Luzerne, I.	V., I.	69,847	23,097	4,700	26,244	141	484	4	35,225
Spring Mountain, Carbon, x	Luzerne, I.	V., I.	31,923	4,348		36,271	141	198	2	16,153
Spring Brook, x	Carbon, I.	V., I.	101,770	28,045	4,700	134,515	682	#	6	51,378
Spring Brook Washery	Carbon, I.	V., I.	1,072			1,022	13			
Total, -----	-----	-----	103,692	28,045	4,700	136,437	682		6	51,378
Estate A. S. Van Wickle Coleraine, -----	Carbon, I.	V., C. R. {R. of N. J., P. & R., -----}	66,420	14,502	2,661	129,1082	167	335	4	35,540
Grand total, -----	-----	-----	1,423,988	202,727	176,233	1,803,948	5,984	2	451	35,000
										531,815
										220,618

x Coal prepared at Spring Mountain Colliery.

Employes included with Spring Brook.

¹Disability 60 days or more.

SEVENTEENTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em- ployees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds			
											Black powder	Dyna- mite	Per- missible	
Lehigh Coal & Navigation Co.		L. & N. E. { Q. R. R. of N. J. E.	419,222	9,236	10,564	439,022	166	1,354	4	14	28,596	185,151	53,153	
Nesquehoning, -	Carbon, -	L. & N. E., -	467,591	58,711	16,587	542,889	163	1,716	1	18	-	372,602	41,248	
Lansford, -	Carbon, -	L. & N. E., -	164,666	21,863	8,008	194,527	{	668	6	6	10,000	114,192	31,256	
Coaldale, -	Carbon, -	L. & N. E., -	185,686	24,643	9,031	219,360	{	753	1	7	11,675	120,000	36,650	
Greenwood, -	Schuykill, -	L. & N. E., -	282,917	32,143	89	265,149	{	813	1	7	-	85,250	23,970	
Rahn, -	Schuykill, -	L. & N. E., -	262,588	7,423	6,565	276,576	{	805	3	9	-	137,156	-	
			1,732,670	154,009	50,844	1,937,523	-	-	6,109	10	61	50,270	1,014,351	192,027
Hauto, -	Washeries	L. & N. E., -	102,173	948	3,762	106,888	141	86	-	-	-	7,000	7,000	4,468
Ashton, -	Carbon, -	L. & N. E., -	48,753	6,052	2,507	57,312	91	111	-	1	-	-	-	-
Total, -			150,926	7,000	6,269	164,195	-	-	197	-	1	-	-	11,468
			1,883,596	161,009	57,113	2,101,718	-	-	6,306	10	621	50,270	1,014,351	208,495

¹Disability 60 days or more.

EIGHTEENTH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em-ployees	Explosives used—pounds		
									Serious non-fatal accidents	Black powder	Dyna-mite
Alliance Coal Mining Co.	Schuylkill, -----	P. & R., -----	136,670	8,475	1,138	146,283	161	589	4	36,502	58,140
Alliance, -----	-----	Truck to P. & R., -----	6,922	750	3,621	11,293	153	41	-----	-----	3,000
Bergen Coal Co.	Schuylkill, -----	P. & R., -----	29,020	2,000	1,749	32,769	168	100	-----	-----	10,000
Bergen, -----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Gorman & Campion Coal Co.	Schuylkill, -----	P. & R., -----	-----	-----	-----	-----	-----	-----	9	-----	-----
Bell, -----	-----	-----	-----	-----	-----	-----	-----	-----	7	145,135	28,235
Hudson Coal Co.	Schuylkill, -----	P. & R., -----	-----	-----	-----	-----	-----	-----	7	145,135	28,925
Milford Drift, *	-----	-----	-----	-----	-----	-----	-----	-----	7	-----	-----
Lehigh Coal & Navigation Co.	Schuylkill, -----	L. & N. E., -----	213,030	34,727	3,646	251,403	162	777	7	145,135	28,235
Tamaqua, -----	Schuylkill, -----	L. & N. E., -----	6,619	18	188	6,825	34	13	-----	-----	-----
Arlington Washery, -----	-----	-----	219,649	34,745	3,834	258,228	-----	790	7	145,135	28,925
Total, -----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Lehigh Valley Coal Co.	Schuylkill, -----	I. V., -----	194,097	36,155	1,657	231,909	157	700	5	21,682	135,675
Buck Mountain, -----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Maryd Coal Co.	Schuylkill, -----	P. & R., C. R. R. of N. J.	133,324	34,477	7,034	174,835	160	428	1	7	76,720
Maryd, -----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Mill Creek Coal Co.	Schuylkill, -----	2,169	1,001	115,277	168	393	1	1	-----	58,014	-----
Morea, -----	Schuylkill, -----	129,053	135	29,188	168	110	-----	-----	-----	18,593	-----
Middle Lehigh, -----	Schuylkill, -----	2,789	-----	30,607	166	118	-----	-----	-----	26,763	-----
Wolf Creek, -----	Schuylkill, -----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total, -----	-----	168,978	5,098	1,001	175,072	-----	621	1	1	103,370	-----

*Not producing; old mine reopened in 1921.

EIGHTEENTH DISTRICT, 1922—Concluded

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em- ployees	Explosives used—pounds		
									Fatal accidents	Serious non-fatal accidents	Black powder
Philadelphia & Reading Coal & Iron Co.	Schuylkill, -----	P. & R., -----	299,875	46,222	5,332	351,429	162	915	10	171,602	25
Silver Creek, -----	Schuylkill, -----	P. & R., -----	160,608	48,335	8,644	217,587	160	787	9	70,760	54,765
Eagle Hill, -----	Schuylkill, -----	P. & R., -----	146,217	59,849	16,273	222,339	161	836	11	28,828	63,552
Wadesville, -----	Schuylkill, -----	P. & R., -----	112,802	5,376	5	118,183	122	232	2	8,926	5,048
Reevesdale, -----	Schuylkill, -----	P. & R., -----	52,133	2,978	6	55,122	81	188	-----	960	3,150
Pine Forest, -----	Schuylkill, -----	P. & R., -----	771,640	162,760	30,260	964,660	70	2,908	2	281,076	126,540
Schuylkill Washery, -----	Schuylkill, -----	P. & R., -----	47,657	1,437	-----	49,094	70	67	-----	175	-----
Total, -----	Schuylkill, -----	P. & R., -----	819,297	164,197	30,260	1,013,754	-----	2,975	2	25	281,251
St. Clair Coal Co.	Schuylkill, -----	P. & R., -----	233,862	14,000	7,834	255,696	218	652	2	5	5,650
St. Clair, -----	Schuylkill, -----	P. & R., -----	25,144	3,360	3,098	31,602	168	95	-----	9,400	1,750
Schuylkill Valley Coal Co. Progressive, -----	Schuylkill, -----	P. & R., -----	27,423	320	-----	27,743	139	18	-----	-----	-----
Thouron Coal Co.	Schuylkill, -----	P. & R., -----	1,994,386	303,572	61,226	2,359,184	-----	7,018	11	561	5,675
Grand total, -----	Schuylkill, -----	P. & R., -----	1,994,386	303,572	61,226	2,359,184	-----	7,018	11	561	5,675
											440,150

¹Disability 60 days or more.

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Explosives used—pounds				
							Fatal accidents	Serious non-fatal accidents	Black powder	Dynamite	Permissible
Black Heath Coal Co.	Schuylkill, -----	Truck, -----	5,706	255	94	6,055	153	21	1	-----	4,275
Black Heath, -----	-----	P. & R., -----	159,234	31,025	2,095	192,354	164	545	2	7	39,688
Buck Run Coal Co.	Schuylkill, -----	P. & R., -----	9,168	1,500	32	10,700	158	40	-----	-----	57,569
Buck Run, -----	-----	P. & R., -----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Butcher Creek Coal Co.	Schuylkill, -----	P. & R., -----	14,053	250	-----	14,303	95	40	-----	-----	325
Laurel Run, -----	-----	P. & R., -----	-----	-----	-----	-----	-----	-----	-----	-----	1,060
Cullen Fuel Co., Inc.	Schuylkill, -----	P. & R., -----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Wolf Creek Washery, -----	-----	P. & R., -----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Gardner Coal Co.	Schuylkill, -----	P. & R., -----	39,019	17	-----	39,036	172	40	-----	-----	-----
Gardner Washery, -----	-----	Penna. & P. & R., -----	44,678	4,052	195,038	149	676	1	7	-----	21,291
Lytle Coal Co.	Schuylkill, -----	Penna. & P. & R., -----	146,308	795	-----	21,057	67	37	-----	-----	66,088
Lytle, -----	-----	P. & R., -----	20,262	-----	-----	-----	-----	-----	-----	-----	-----
Lytle Washery, -----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total, -----	-----	-----	166,570	45,473	4,052	216,095	713	1	7	-----	21,291
P. & R. Coal & Iron Co.	Schuylkill, -----	P. & R., -----	108,046	50,601	1,903	160,550	161	626	8	75	20,953
Otto, -----	Schuylkill, -----	P. & R., -----	17,531	-----	17,531	161	78	2	-----	25	30,104
John Veith, x	Schuylkill, -----	P. & R., -----	112,925	45,570	15,208	172,703	161	502	1	8	51,800
Pine Knot, -----	Schuylkill, -----	P. & R., -----	108,984	17,174	-----	126,158	161	336	1	7	61,941
Glendower, #	Schuylkill, -----	P. & R., -----	14,216	-----	-----	14,216	161	186	2	4	4,635
Thomaston, #	Schuylkill, -----	P. & R., -----	117,637	34,216	1,408	153,211	160	512	5	4	-----
Phoenix Park, -----	Schuylkill, -----	P. & R., -----	-----	-----	-----	-----	-----	-----	-----	-----	3,834
Anchor Washery, -----	Schuylkill, -----	P. & R., -----	465,123	161,777	18,519	645,419	2,240	6	31	75	138,553
Total, -----	-----	P. & R., -----	21,947	2,324	24,271	74	81	-----	-----	1,186	156,697

x Coal prepared at Otto Colliery.

Coal prepared at Pine Knot Colliery.

NINETEENTH DISTRICT, 1922—Concluded

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Fatal accidents	Serious non-fatal accidents	Explosives used—pounds	
											Black powder	Dynamite
Pine Hill Coal Co.	Schuylkill, Schuylkill, Schuylkill, Total, -----	Penna., ----- Penna., ----- Penna., ----- Total, -----	177,079 77,208 254,287	39,150 3,680 42,830	1,451 108 1,559	217,680 80,996 298,676	157 80 470	718 2 1	6 4		22,165 4,196	61,804 25,650
Reppier Coal Co.	Schuylkill, New Castle, Sherman, Corp. Sherman, York Farm Coal Co. York Farm Washery, Grand total, -----	Penna., ----- Truck, ----- L. V., ----- Schuylkill, ----- 1,347,157	100,020 18,563 93,467 303,503	18,000 ----- 52 57,990	951 20,000 10,688 1,708,650	118,971 38,563 104,207 57,990	161 249 285 5,370	366 62 34 14	1 62 34 14	1 1 1 14	23,464 11,352 50 561	7,510 11,352 50 392,345

¹Disability 60 days or more.

TWENTIETH DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em-ployees	Explosives used—pounds		
									Fatal accidents	Serious non-fatal accidents	Black powder
P. & R. Coal & Iron Co.											
Tunnel Ridge,	Schuylkill,	P. & R.,	141,461	43,263	95	184,819	163	648	10	10	120,686
Mahanoy City,	Schuylkill,	P. & R.,	177,662	30,908	26,387	234,957	166	696	2	9	85,255
North Mahanoy,	Schuylkill,	P. & R.,	144,606	40,006	4,413	189,025	159	655	1	9	78,949
Boston Run,	Schuylkill,	P. & R.,	39,637	24,348	—	83,985	162	332	1	5	53,947
Ellangowan,	Schuylkill,	P. & R.,	182,541	29,594	1,369	213,504	162	815	1	21	72,384
Kniekerbocker, #	Schuylkill,	P. & R.,	78,931	16,385	—	95,266	162	313	1	1	42,762
Saint Nicholas,	Schuylkill,	P. & R.,	90,463	38,456	1,644	120,566	164	514	2	8	24,868
Suffolk, # #	Schuylkill,	P. & R.,	132,887	10,152	—	143,039	164	438	4	4	60,379
Maple Hill,	Schuylkill,	P. & R.,	173,380	42,609	17	216,006	165	816	1	10	31,716
Washeries											
Kniekerbocker, *	Schuylkill,	P. & R.,	1,171,571	275,671	33,925	1,481,167	—	5,227	10	77	570,455
North Mahanoy,	Schuylkill,	P. & R.,	—	64,401	—	—	257	64,658	127	19	37,690
Total,											
Lehigh Valley Coal Co.											
Park,	Schuylkill,	L. V.,	230,975	41,987	34,182	1,545,825	—	5,246	10	77	100
Springdale Washery,	Schuylkill,	L. V.,	8,720	202	—	—	—	—	—	—	—
Total,											
Grand total,											

*Idle.

Coal prepared at Ellangowan Colliery.

Coal prepared at Saint Nicholas Colliery.

1 Disability 60 days or more.

TWENTY-FIRST DISTRICT, 1922

#Coal] prepared at Sheddandoah City Colliery

TWENTY-SECOND DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Employees	Explosives used—pounds			
									Fatal accidents	Serious non-fatal accidents	Black powder	Dynamite
East Bear Ridge Colliery Co.	Schuylkill, -----	P. & R., -----	154,360	7,200	3,835	165,395	105	450	-----	67,850	-----	-----
East Bear Ridge, -----	Girardville Mining Co.	P. & R., -----	55,881	20,487	-----	76,368	147	301	-----	36,647	-----	5,400
Harleigh-Brookwood Coal Co.	Schuylkill, -----	{P. & R., -----} (Denna, -----)	217,151	16,850	-----	234,001	169	762	1	3	-----	11,342
Lawrence, -----	Schuylkill, -----	P. & R., -----	18,948	215	-----	19,163	151	66	-----	-----	125,225	1,000
Laurel Coal Mining Co.	Northumberland, - Columbia, -----	L. V., -----	185,586	45,071	7,160	227,817	153	840	2	6	168,701	174,125
Bickel, -----	Sayre, Centralia, -----	I. V., -----	162,182	24,230	3,987	190,399	120	803	1	4	-----	-----
Lehigh Valley Coal Co.	Conti	L. V., -----	347,768	69,301	11,147	428,216	63	1,643	3	10	342,826	-----
Sayre, Centralia, -----	Continental Washery	Columbia, -----	36,371	997	449	37,817	30	-----	-----	-----	-----	-----
Total, -----	Midvalley Coal Co.	I. V., -----	384,139	70,298	11,596	466,033	-----	1,673	3	10	342,826	-----
Midvalley, -----	P. & R. Coal & Iron Co.	Columbia, -----	111,131	30,487	5,500	147,118	158	433	-----	2	74,125	14,650
Potts, -----	Columbia, -----	P. & R., -----	177,622	55,498	10,989	244,104	164	813	-----	20	44,085	74,653
Bast, -----	Schuylkill, -----	P. & R., -----	150,666	45,936	12,549	209,151	167	697	-----	11	97,989	17,600
Gilberton, -----	Schuylkill, -----	P. & R., -----	106,146	57,348	7,627	171,121	162	616	-----	9	88,286	100
Drexler, -----	Schuylkill, -----	P. & R., -----	77,101	20,385	-----	97,186	155	448	2	2	78,105	-----
Bancroft, -----	Schuylkill, -----	P. & R., -----	73,537	5,258	10	78,805	99	217	1	2	5,550	21,983
Total, -----	585,072	184,420	31,175	810,667	-----	2,791	3	44	5,550	330,448	92,353	-----

TWENTY-SECOND DISTRICT, 1922—Concluded

Operators and collieries	County	Explosives used—pounds									
		Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Fatal accidents	Serious non-fatal accidents	Black powder	Dynamite
Replier Coal Co.	P. & R.,	190,254	77	91	90,331	176	45				
Locust Run Washery, -	P. & R.,	53,788	210		54,089	153	45				
Locust Dale Washery, -											
Total, -		144,042	287	91	144,420	-----	90				
Grand total, -		1,670,724	330,244	52,197	2,053,165	-----	6,566	7	60 ¹	5,550	992,521
											124,745

¹ Disability 60 days or more.

TWENTY-THIRD DISTRICT, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Days worked	Em-ployees	Fatal acci-dents	Serious non-fatal acci-dents	Explosives used—pounds		
											Dyn-a-mite	Black powder	Per-missible
Colonial Colliery Co.	Northumberland, -	P. & R., -	210,384	14,065	1,318	225,767	163	665	1			147,355	
Natalie, -	Northumberland, -	P. & R., -	114,500	5,000	500	120,000	151	278	1			15,675	26,925
Excelsior Coal Co.	Corbin, -												
Greenough Red Ash Coal Co.	Greenough, -	Penna., -	121,166	16,022	2,741	139,929	166	515					
P. & R. Coal & Iron Co.	Northumberland, -	P. & R., -	204,739	32,325	182	237,256	164	867	1	15		149,912	4,750
Alaska, -	Northumberland, -	P. & R., -	266,169	85,458	2,371	353,978	160	1,180	3	13		203,875	17,687
Locust Gap, -	Northumberland, -	P. & R., -	136,406	35,866	34,469	206,741	155	620	1	5		84,460	56,588
Reliance, -													
Total, -			607,314	153,639	37,022	797,975		2,667	5	33		438,247	79,025
Shamokin Red Ash Coal Co.	Northumberland, -	Penna., -	50,735	3,200		53,935	189	51					
Evans Washery, -													
Susquehanna Collieries Co.	Northumberland, -	Penna., -	176,089	44,307	6,755	227,151	151	878	1	8		27,670	123,925
Pennsylvania, -	Northumberland, -	Penna., -	136,104	42,001	23	178,128	150	808		4		42,249	125,725
Richards, -	Northumberland, -	Penna., -	171,308	45,135	5,579	222,022	149	724	2	5		38,025	78,000
Scott, -													
Hickory Ridge Washery	Northumberland, -	Penna., -	483,501	131,443	12,357	637,301	153	2,410	3	17		107,944	332,650
Total, -			61,364	3,895		65,259		42					
Grand total, -			544,865	135,338	12,357	692,560		2,452	3	17		107,944	332,650
			1,648,964	327,264	53,988	2,030,166		6,628	10	50 ¹	15,675	782,672	485,530

¹Disability 60 days or more.

TWENTY-FOURTH DISTRICT, 1922

¹ Disability 60 days or more.

TWENTY-FIFTH INSTITUTE, 1922

Operators and collieries	County	Railroad to mine	Tons shipped to market	Tons used at collieries	Tons sold locally	Total production (gross tons)	Explosives used—pounds				
							Fatal accidents	Days worked	Employees	Black powder	Dynamite
P. & R. Coal & Iron Co.	Schuylkill, Lincoln, Broadside, Good Spring, Valley View, # Middle Creek, # Tower City, #	P. & R.,	156,934 157,648 121,461 97,814 50,733 93,942	70,021 46,755 59,060	5,303 5,880 9,953	232,238 210,289 190,474 97,814 54,989 93,942	154 164 164 164 108 164	998 973 594 309 303 298	900 5 1 1 1 1	91,243 69,274 62,964 101,525 16,005 89,925	7,975 6,725 101,525 16,005 89,925
Washeries	Rausch Creek, Lincoln,	P. & R., P. & R.,	1,919 54,534	25 302	1,944 34,336	1,916	11 81	11	1	50	50
Susquehanna Collieries Co.	Dauphin, -	Penna., Penna., Penna.,	152,596 219,220 371,816	21,714 46,568 68,282	6,155 18,338 24,493	150,465 281,126 464,591	154 150 1,846	921 925 1,846	5 9 14	15 8 28	40,275
Williamstown, -											40,275
Short Mountain, -											40,275
Total, -											14,700
Williamstown, Bear Valley Banks, Short Mountain, -	Dauphin, -	Penna., Penna., Penna.,	22,532 3,806 34,921	15,372 302 71,146	38,094 4,108 16,067	175 140 162	15 8 28				112,937
Total, -	Dauphin, -	Penna.,	61,249	87,020	148,269	51					40,275
Grand total, -	Dauphin, -	Penna.,	433,065	155,302	24,493	612,890	1,897	1	14	4	471,311
			1,168,050	323,870	47,486	1,549,406	301	5,464	4	900	127,637

Washery did not operate; loaded stored coal.
*Coal prepared at Good Spring Colliery.

* Coal prepared at Good Spring Colliery.

Coal prepared at Brookside Colliery.
1 Disability 60 days or more.

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Inspection Districts 1921-1922

1st District, Benjamin Maxey*,	Inspector, Forest City	26-63
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3rd District, L. M. Evans,	Inspector, Scranton,	30-67
4th District, Jenkin T. Reese,	Inspector, Scranton,	31-68
5th District, S. J. Phillips,	Inspector, Scranton,	33-69
6th District, D. T. Williams,	Inspector, Scranton,	34-70
7th District, Augustus McDade,	Inspector, Taylor,	36-72
8th District, Robert Johnson,	Inspector, Pittston,	37-73
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14th District, Joseph J. Walsh,	Inspector, Nanticoke	45-82
15th District, David J. Roderick,	Inspector, Hazleton	46-84
16th District, J. J. Stickler,	Inspector, Hazleton	48-86
17th District, Isaac M. Davies,	Inspector, Lansford	50-88
18th District, Evan G. Evans,	Inspector, Coaldale	51-89
19th District, Michael J. Brennan,	Inspector, Pottsville	53-91
20th District, P. C. Fenton,	Inspector, Mahanoy City ..	55-93
21st District, A. B. Lamb,	Inspector, Shenandoah	56-94
22nd District, Wm. Reid,	Inspector, Centralia	58-95
23rd District, B. I. Evans,	Inspector, Mt. Carmel	60-97
24th District, P. J. Friel,	Inspector, Shamokin	61-98
25th District, Charles J. Price,	Inspector, Lykens	62-99

*Died September 14, 1922.

Operators and Addresses

Operator	Address of Gen. Supt.	Page
Acker & Others, Warren T.	Scranton	67
Alden Coal Co.	Alden Station	45-82
Alliance Coal Mining Co.	Lansford	51-89
Amerman Coal Co.	Scranton	65
Archbald Coal Co.	Scranton	28-65
Bald Mountain Coal Co.	Peckville	34-70
Barton Coal Co.	Scranton	26-63
Beaver Valley Coal Co.	Wilkes-Barre	48-86
Bergen Coal Co.	Pottsville	51-89
Black Diamond Fuel Co.	Scranton	33-69
Black Heath Coal Co.	Minersville	53-91
Blakely Red Ash Coal Co.	Peckville	63
Boland Coal Co., John J.	Dunmore	34-70
Bright Coal Co.	Scranton	26
Buck Ridge Coal Mining Co.	Shamokin	61-98
Buck Run Coal Co.	Minersville	53-91
Butcher Creek Co.	St. Clair	53
Butcher Creek Coal Co.	St. Clair	91
Cambridge Coal Co.	Pottsville	56
Campion Coal Co.	Mahanoy City	48-86
Candlemas Collieries Co.	Hazleton	86
Carbondale Coal Mining Co.	Carbondale	26-63
Carney & Brown Coal Co.	Dunmore	34-70
Central Coal Co.	Wilkes-Barre	40-76
Clifford Coal Co.	Forest City	63
Colonial Colliery Co.	Frackville	60-97
Conlen, John	Hudson	40-76
Connell Anthracite Coal Co.	Scranton	63
Connell Anthracite Mining Co.	Scranton	26
Coxe Brothers & Co., Inc.	Wilkes-Barre	46-48-84-86
Cranberry Creek Coal Co.	Lansford	48-86
Cullen Fuel Co., Inc.	Plymouth	79-91
Darkwater Coal Co.	Minersville	53
Decker Coal Co., H. P.	Scranton	67
Dennington Coal Co.	Scranton	72
Dodson & Co., Charles M.	Shenandoah	48-86
East Alden Mining Co.	Scranton	45-82
East Bear Ridge Colliery Co.	Scranton	58-95
East Boston Coal Co.	Kingston	40-76
East Lehigh Coal Co.	Tamaqua	51
East Point Coal Co.	Freeland	46-84
Eclipse Coal Co.	Peckville	29
Enterprise Coal Co.	Scranton	60-98
Evans Colliery Co.	Luzerne	48-86
Excelsior Coal Co.	Shamokin	60-97
Fireside Coal Co.	Scranton	29
Gardner Coal Co.	Pottsville	53-91
Gibbons Coal Co., John	Scranton	33-69

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Girardville Mining Co.	Hazleton	59-95
Glen Alden Coal Co.	Scranton ..30-31-33-34-36-40-43-44-45 67-68-69-70-72-76-79-81-82	
Gorman & Campion Coal Co.	Silver Creek	51-89
Greenough Red Ash Coal Co.	Frackville	60-97
Green Ridge Coal Co.	Scranton	31-68
Grove Hill Coal Co.	Peckville	26-63
Haddock Mining Co.	Luzerne	40-76
Harleigh-Brookwood Coal Co.	Frackville	58-95
Harris-Denly Coal Co.	Forty Fort	38-74
Harwood Coal Co.	Hazleton	48-86
Healey Coal Co.	Plains	39-40-74-76
Hillman Coal Co.	Wilkes-Barre	42-78
Hillside Coal & Iron Co.	Dunmore ..26-28-36-37-63-65-72 73	
Hillside Coal & Supply Co.	Simpson	63
Hudson Coal Co.	Scranton ..26-28-30-31-33-34-37-40-42- 43-51-63-65-67-68-69-70-73-76-78-79-89	
Humbert Coal Co.	Jessup	28-65
Inter-City Fuel Co., Inc.	New York, N. Y.	43-53
Jeddo-Highland Coal Co.	Jeddo	46-84
Jermyn & Co.	Scranton	36-72
John-Ames Coal Co.	Forty Fort	39-74
John-Fib Coal Co.	Forty Fort	39-74
Johnson Coal Co.	Jermyn	65
Kemmerer & Co., M. S.	Pottsville	46-84
Kingston Coal Co.	Kingston	38-43-74-79
Kirby & Sons, Inc., J. W.	Scranton	26
Lackawanna Coal Co., Ltd.	Scranton	26-63
Lackawanna Fuel Co.	Scranton	31-68
Lackawanna Coal Mining Co.	Peckville	65
Larksville Coal Co.	Scranton	79
Laurel Coal Mining Co.	Mowry	58-95
Lee Coal Co., George F.	Wilkes-Barre	44-81
Legitts Creek Anthracite Co.	Shamokin	30-67
Lehigh & Wilkes-Barre Coal Co.	Wilkes-Barre	42-43- 44-45-48-78-80-81-82-86
Lehigh Coal & Navigation Co.	Lansford	50-51-88-89
Lehigh Valley Coal Co.	Wilkes-Barre ..38-41-42-44-46-49-51-55- 56-58-74-76-78-81-84-87-89-93-94-95	
Locust Mountain Coal Co.	Shenandoah	56-94
Lytle Coal Co.	Wilkes-Barre	53-91
Maryd Coal Co.	Hazleton	51-89
Mid-City Coal Co.	Scranton	30-67
Midvalley Coal Co.	Hazleton	59-95
Mill Creek Coal Co.	Frackville	51-89
Moffat, W. Y.	Minooka	33-69
Moffat Coal Co., W. Y.	Minooka	69
Mount Jessup Coal Co., Ltd.	Peckville	26-34-64-70
Mount Lookout Coal Co.	Scranton	38-75
Murray B. Coal Co.	Carbondale	64

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Murrin Coal Co.	Carbondale	29-65
Nanticoke Valley Coal Co.	Nanticoke	82
Nay-Aug Coal Co.	Dunmore	34-70
Northern Anthracite Coal Co.	Mildred	26-64
Oak Hill Coal Co.	Minersville	53
Pardee Brothers & Co., Inc.	Lattimer Mines	46-85
Park Hill Coal Co.	Scranton	69
Pennsylvania Coal Co.	Scranton 31-34-36-37-68-70-72-73	
Petersburg Coal Co.	Scranton	31-68
Philadelphia & Reading Coal & Iron Co.	Pottsville 52-54-55-56-58-60-61-62-90-91-93-94-95-97-98-99	
Pine Hill Coal Co.	Minersville	54-92
Pittston Coal Mining Co.	Pittston	44-81
Pleasant Mount Coal Co.	Scranton	30
Plymouth Red Ash Coal Co.	Scranton	43-80
Powell & Jennings	Minooka	69
Price-Pancoast Coal Co.	Scranton	31-68
Quinn Coal Co.	Scranton	34-37-70
Racket Brook Coal Co.	Carbondale	27-64
Raub Coal Co.	Luzerne	41-77
Raven Run Coal Co.	Hazleton	56-94
Reap-Murphy Coal Co.	Scranton	72
Red Ash Coal Co.	Wilkes-Barre	42-78
Reese & Son, Thomas R.	Audenried	49
Repplier Coal Co.	Minersville	59-92-96
Rhondda Coal Co.	Scranton	29-66
Richmondale Coal Co.	Richmondale	27-64
Robertson Coal Co.	Scranton	27-64
Rose Coal Co.	Scranton	66
Saint Clair Coal Co.	Pottsville	52-90
Schlosser, Trustee, M.	Forest City	27
Schuylkill Valley Coal Co.	Pottsville	52-90
Scranton Anthracite Briquette Co.	Dickson City	71
Scranton Anthracite Coal Co.	Scranton	33-35-69-71
Scranton Coal Co.	Peckville 27-28-32-34-64-66-67-68-70	
Se-Rob Coal Co.	Scranton	32-68
Shamokin Red Ash Coal Co.	Shamokin	60-97
Sherman Coal Corporation	Pottsville	54-92
Shipman Koal Co.	Shenandoah	61-98
Slocum Hollow Coal Co.	Scranton	69
Spencer Coal Co.	Scranton	35-71
Stackhouse Coal Co., E. S.	Shickshinny	45-82
Staples & Bell, Inc., & Dexter & Carpenter - Inc.	Scranton	32
Suffolk Coal Co.	Scranton	36-72
Superior Anthracite Coal Co.	Peckville	64-98
Susquehanna Collieries Co.	Wilkes-Barre	45-56-60-61-62-83-94-97-98-99
Temple Coal Co.	Scranton 27-28-38-64-66-75	
Thomas Colliery Co.	Frackville	57-94

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Traders Coal Co.	Scranton	41-77
Trevorton Colliery Co.	Shamokin	61-98
Upper Lehigh Coal Co.	Hazleton	47
Van Wickle Estate, A. S.	Hazleton	49-87
Von Storch Collieries Co.	Scranton	30-67
Wentz Co.	Hazleton	85
Wentz & Co., J. S.	Hazleton	47-85
West End Coal Co.	Scranton	45-83
West Nanticoke Coal Co.	Philadelphia	44-81
Wilkes-Barre Colliery Co.	Frackville	41-77
Wolf Collieries Co., Inc.	Freeland	47-85
York Farm Coal Co.	Philadelphia	54-92

